STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 3

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: **ML-47973**	6. SURFACE: **TRIBAL**

1A. TYPE OF WORK: DRILL ☑ ☐ REENTER ☐ DEEPEN

B. TYPE OF WELL ☐ OIL ☑ GAS OTHER _____ ☑ SINGLE ZONE ☐ MULTIPLE ZONE

7. IF INDIAN, ALLOTTEE OR TRIBE NAME: **UTE TRIBE**

8. UNIT or CA AGREEMENT NAME: **N/A**

2. NAME OF OPERATOR: **QUESTAR EXPLORATION AND PRODUCTION COMPANY**

9. WELL NAME and NUMBER: **SCS 5C-32-14-19**

3. ADDRESS OF OPERATOR: **1571 E. 1700 S.** CITY **VERNAL** STATE **UT** ZIP **84078**

PHONE NUMBER: **(303) 308-3068**

10. FIELD AND POOL, OR WILDCAT: **UNDESIGNATED**

4. LOCATION OF WELL (FOOTAGES) 601360 X 43791764 39.558195
AT SURFACE: **1810' FNL x 460' FWL SW NW SECTION 32, T14S, R19E** -109.820870
AT PROPOSED PRODUCING ZONE: **same**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SW NW 32 14S 19E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: **50.7 +/- MILES SOUTHWEST OF OURAY, UTAH**

12. COUNTY: **UINTAH**

13. STATE: **UTAH**

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
460	**640**	**640**

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH	20. BOND DESCRIPTION:
NO OTHER WELLS ON LEASE	**13,700' TD**	**965003033**

21. ELEVATIONS (SHOW WHETHER DF, RT, GR,ETC.):	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:
7432 GR	**ASAP**	**75 DAYS**

24 **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2	13 3/8	H-40	48	500	SEE ATTACHED DRILLING PROGRAM
12 1/4	9 5/8	J-55	40	4100	SEE ATTACHED CEMENT CALCULATIONS
8 1/2	5 1/2	P-110	17	TD	

25 **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☑ EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE _____ DATE 1/15/07

(This space for State use only)

API NUMBER ASSIGNED: 43-047-38963 APPROVAL: _____

Approved by the Utah Division of Oil, Gas and Mining

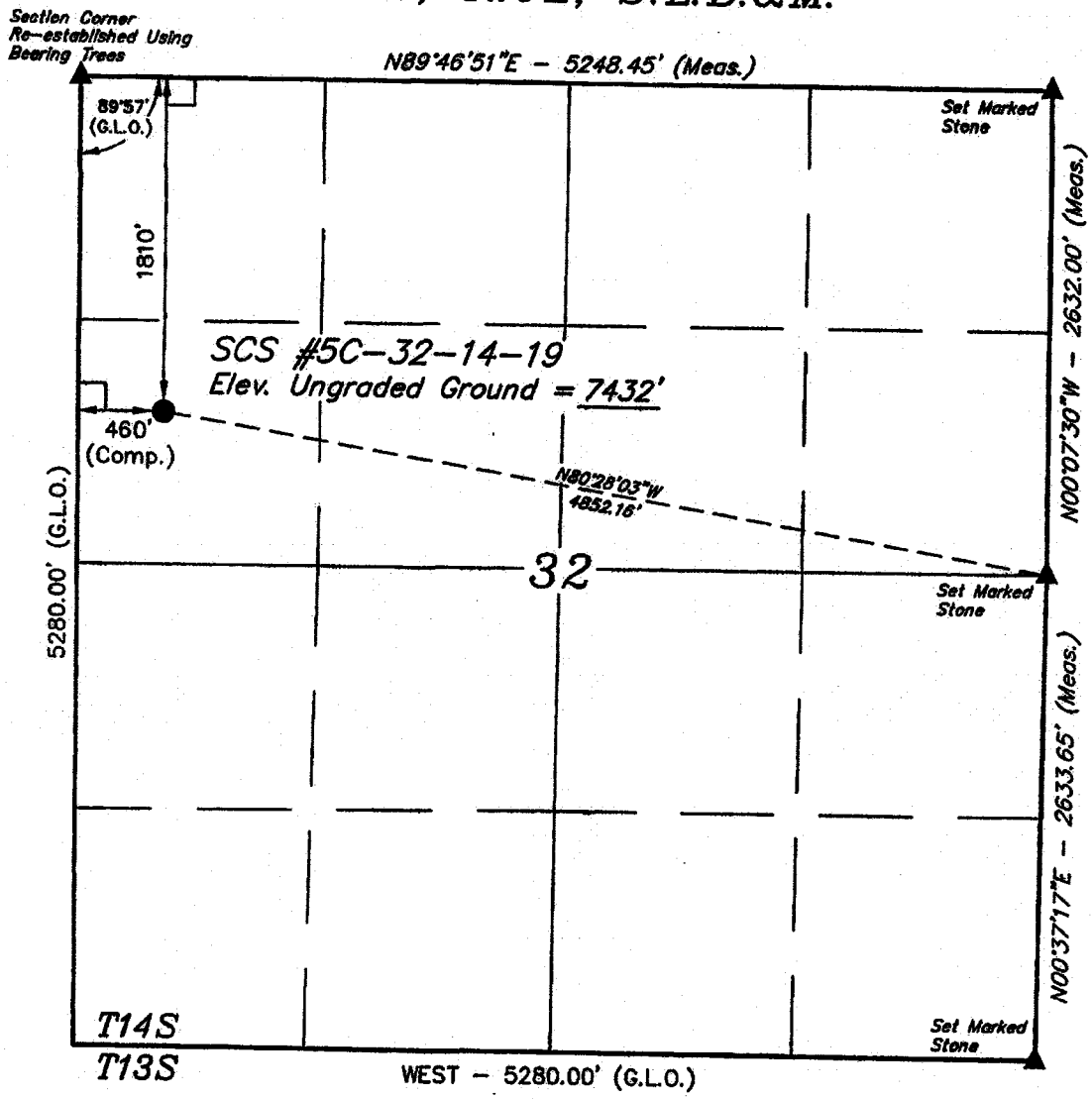
Federal Approval of this Action is Necessary

Date: 02-08-07

By: _____

RECEIVED
JAN 16 2007
DIV. OF OIL, GAS & MINING

T14S, R19E, S.L.B.&M.

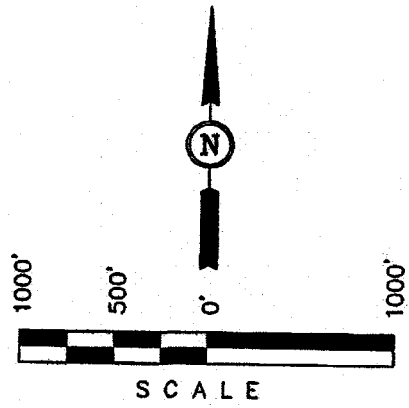


QUESTAR EXPLR. & PROD.

Well location, SCS #5C-32-14-19, located as shown in the SW 1/4 NW 1/4 of Section 32, T14S, R19E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (59 WF) LOCATED IN THE NW 1/4 OF SECTION 10, T15S, R20E, S.L.B.&M. TAKEN FROM THE FLAT ROCK MESA QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7449 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

(NAD 83)
LATITUDE = 39°33'28.19" (39.557831)
LONGITUDE = 109°44'18.60" (109.738500)
(NAD 27)
LATITUDE = 39°33'28.32" (39.557867)
LONGITUDE = 109°44'16.11" (109.737808)

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
86 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 12-20-06	DATE DRAWN: 12-21-06
PARTY: B.H. F.Y. C.G.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: QUESTAR EXPLR. & PROD.	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 3

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-47973	6. SURFACE: TRIBAL
7. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE	
8. UNIT or CA AGREEMENT NAME: N/A	
9. WELL NAME and NUMBER: SCS 5C-32-14-19	
10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW NW 32 14S 19E	
12. COUNTY: UINTAH	13. STATE: UTAH

1A. TYPE OF WORK: DRILL ☑ ☐ REENTER ☐ DEEPEN

B. TYPE OF WELL ☐ OIL ☑ GAS OTHER _____ ☑ SINGLE ZONE ☐ MULTIPLE ZONE

2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: 1571 E. 1700 S. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (303) 308-3068

4. LOCATION OF WELL (FOOTAGES) 601300 X 43791784 39.558145
AT SURFACE: 1810' FNL x 460' FWL SW NW SECTION 32, T14S, R19E -109.820870
AT PROPOSED PRODUCING ZONE: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 50.7 +/- MILES SOUTHWEST OF OURAY, UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET): 460	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 640
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): NO OTHER WELLS ON LEASE	19. PROPOSED DEPTH: 13,700' TD	20. BOND DESCRIPTION: 965003033
21. ELEVATIONS (SHOW WHETHER DF, RT, GR,ETC.): 7432 GR	22. APPROXIMATE DATE WORK WILL START: ASAP	23. ESTIMATED DURATION: 75 DAYS

24 **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2	13 3/8	H-40	48	500	SEE ATTACHED DRILLING PROGRAM
12 1/4	9 5/8	J-55	40	4100	SEE ATTACHED CEMENT CALCULATIONS
8 1/2	5 1/2	P-110	17	TD	

25 **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERATION GENERAL RULES:

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☑ EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

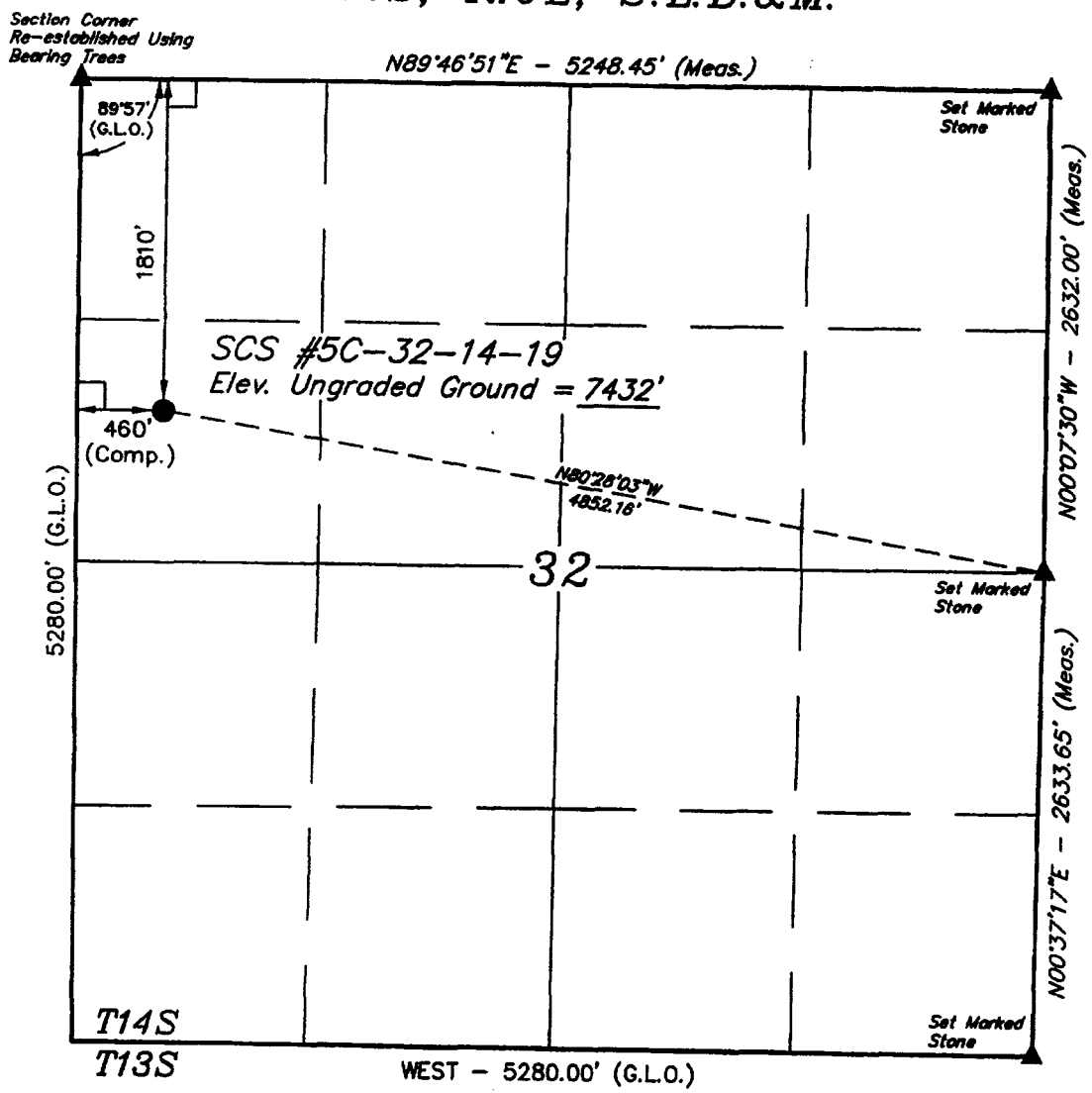
SIGNATURE _____ DATE 1/15/07

(This space for State use only)

API NUMBER ASSIGNED: 43-047-38963 APPROVAL: _____

RECEIVED
JAN 16 2007
DIV. OF OIL, GAS & MINING

T14S, R19E, S.L.B.&M.

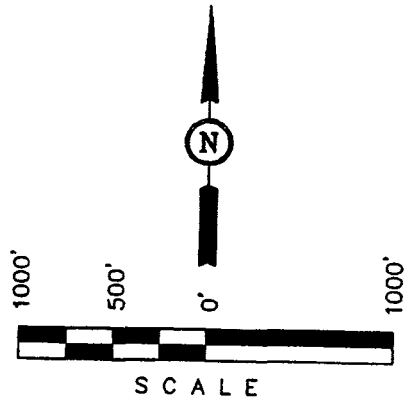


QUESTAR EXPLR. & PROD.

Well location, SCS #5C-32-14-19, located as shown in the SW 1/4 NW 1/4 of Section 32, T14S, R19E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (59 WF) LOCATED IN THE NW 1/4 OF SECTION 10, T15S, R20E, S.L.B.&M. TAKEN FROM THE FLAT ROCK MESA QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7449 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH

RANDY A. KAY

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

(NAD 83)
LATITUDE = 39°33'28.19" (39.557831)
LONGITUDE = 109°44'18.60" (109.738500)
(NAD 27)
LATITUDE = 39°33'28.32" (39.557867)
LONGITUDE = 109°44'16.11" (109.737808)

BASIS OF BEARINGS

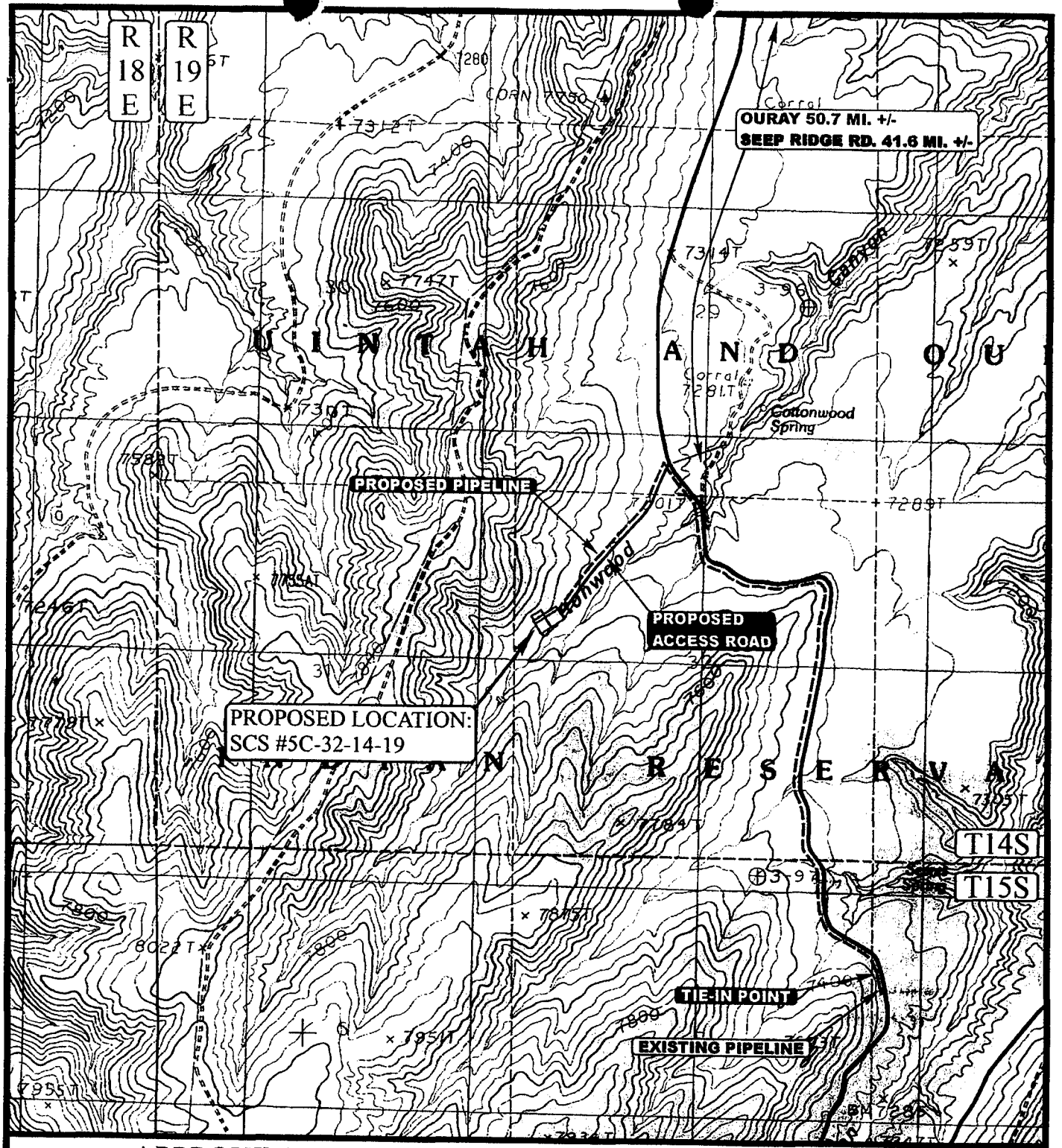
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 12-20-06	DATE DRAWN: 12-21-06
PARTY: B.H. F.Y. C.G.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: QUESTAR EXPLR. & PROD.	



APPROXIMATE TOTAL PIPELINE DISTANCE = 12,097' +/-

LEGEND:

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED ACCESS

N

QUESTAR EXPLR. & PROD.

SCS #5C-32-14-19

SECTION 32, T14S, R19E, S.L.B.&M.

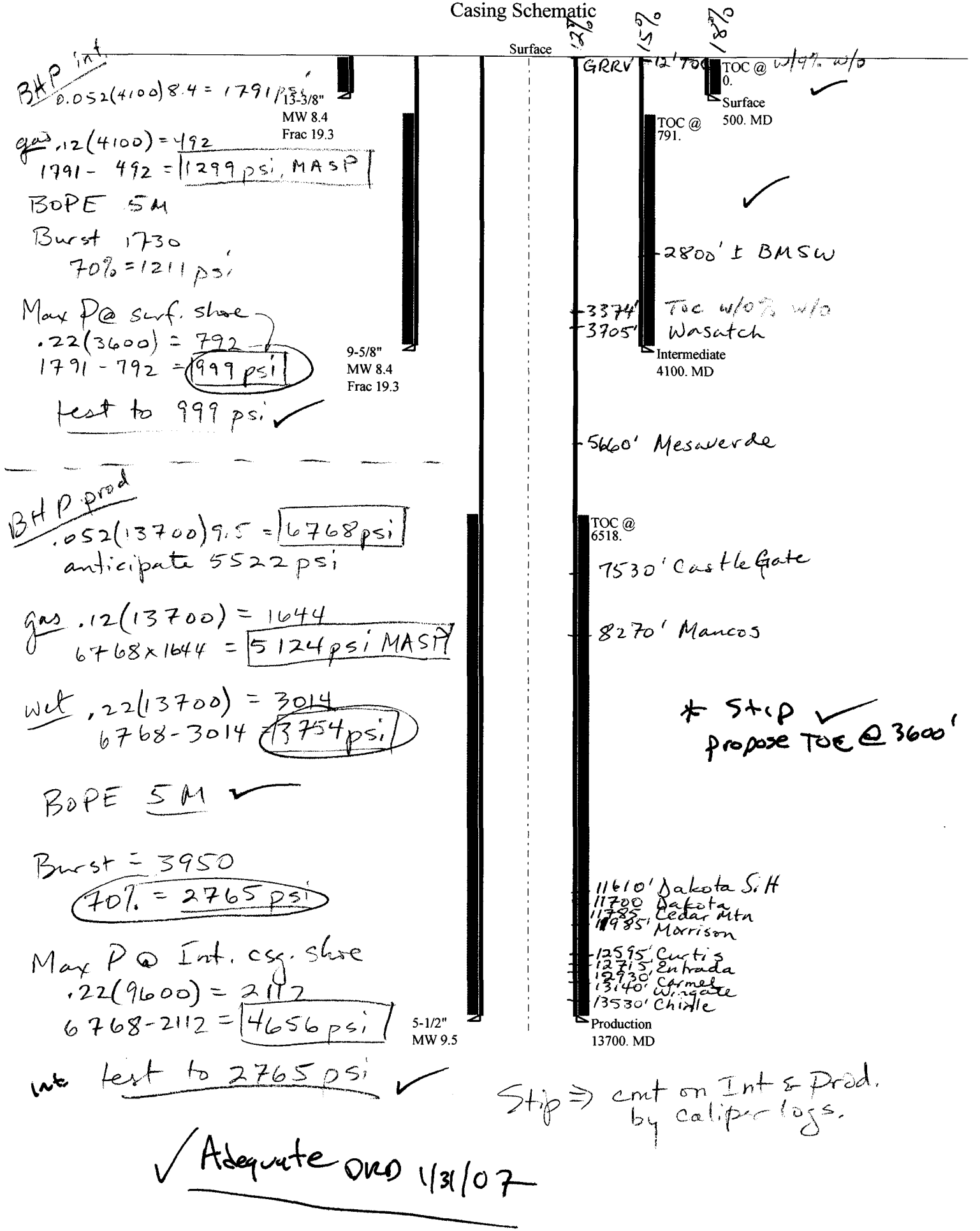
1810' FNL 460' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	22 DAY	06 YEAR	D TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 00-00-00		

2007-1 QEP SCS 5C-32[redacted]4-19

Casing Schematic



* Stip ✓
propose TOC @ 3600'

Stip ⇒ cmt on Int & Prod. by caliper logs.

✓ Adequate DKD 1/31/07

Well name:	**2007-1 QEP SCS 5C-32-14-19**
Operator:	**Questar Exploration & Production, CO.**
String type:	Surface
Project ID:	43-047-38963
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 440 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 500 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 438 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	82 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	499 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth:	3,969 ft
Next mud weight:	8.400 ppg
Next setting BHP:	1,732 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	500 ft
Injection pressure:	500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	500	13.375	48.00	H-40	ST&C	500	500	12.59	440.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	740	3.392	500	1730	3.46	21	322	15.30 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: January 29,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-1 QEP SCS 5C-32-14-19**
Operator:	**Questar Exploration & Production, CO.**
String type:	Intermediate
Project ID:	43-047-38963
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,198 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,100 psi

No backup mud specified.

w/ 1000' 9.33 ppg backup
Load = 3858 psi
D.F. = 1.02

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 3,588 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 132 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 500 ft

Cement top: 791 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 13,700 ft
Next mud weight: 9.500 ppg
Next setting BHP: 6,761 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,100 ft
Injection pressure: 4,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	4100	9.625	40.00	J-55	ST&C	4100	4100	8.75	1745.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1789	2570	1.436	4100	3950	[redacted]	144	452	3.15 J

exceeded w/mud wt of 8.8 ppg
Assumes 1psi/ft frac grad.
O.K. using Backup mud
O.K. w/ lesser frac grad (ASC)

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: January 29,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 4100 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-1 QEP SCS 5C-32-14-19**
Operator:	**Questar Exploration & Production, CO.**
String type:	Intermediate
Project ID:	43-047-38963
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 3,198 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,100 psi

No backup mud specified.

w/ 1000' 9.33 ppg backup
Load = 3858 psi
D.F. = 1.02

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 3,588 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 132 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 500 ft

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Non-directional string.

Re subsequent strings:

Next setting depth: 13,700 ft
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Injection pressure: 4,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	4100	9.625	40.00	J-55	ST&C	4100	4100	8.75	1745.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1789	2570	1.436	4100	3950	0.96	144	452	3.15 J

Assumes 1psi/ft frac grad.
O.K. w/ lesser frac. grad (0.96)
O.K. using Backup mud

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: January 29,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 4100 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-1 QEP SCS 5C-32-14-19**
Operator:	**Questar Exploration & Production, CO.**
String type:	Production
Project ID:	43-047-38963
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,747 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,761 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 11,726 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 267 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 6,518 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	13700	5.5	17.00	P-110	LT&C	13700	13700	4.767	1788.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	6761	7480	[redacted]	6761	10640	1.57	199	445	2.23 J

Anticipate 5522 → 1365 → O.K. based on anticipated psi (underpressured)
~~exceeded~~ w/mud wt above 8.8 ppg

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: January 29,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 13700 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-1 QEP SCS 5C-32-14-19**
Operator:	**Questar Exploration & Production, CO.**
String type:	Production
Project ID:	43-047-38963
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 3,747 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,761 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 11,726 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 267 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 6,518 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	13700	5.5	17.00	P-110	LT&C	13700	13700	4.767	1788.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	6761	7480	1.106	6761	10640	1.57	199	445	2.23 J

Anticipate 5522 → 1365 → O.K. based on anticipated psi (underpressured)
⇒ above

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: January 29,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 13700 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

UNITED STATES GOVERNMENT

MEMORANDUM

DATE: January 23, 2007

REPLY TO
ATTN OF: Acting Superintendent, Uintah & Ouray Agency

SUBJECT: APD Concurrence for **Questar Exploration & Production Company**

43-047-38463

TO: Bureau of Land Management, Vernal District Office
Attn: Minerals & Mining Division

We recommend the approval of the Application for Permit to Drill (APD) for the listed WELL SITE AND ASSOCIATED ACCESS ROAD with required stipulations:

TOWNSHIP 14 SOUTH, RANGE 19 EAST, S.L.B.&M.

ROW No.	Well Name/No.	Qtr/Qtr - Section	Twn	Rng	ROW Type
H62-2007-099	~~SCS 5C-32-14-19~~	W/2NW/4, NE/4NW/4 of Section 32; and the SE/4SW/4 of Section 29	T14S	R19E	WS/AR

Based on the available information received **January 19, 2007** the proposed locations were cleared in the following areas of environmental impact.

YES		NO	X	Listed threatened endangered species
YES		NO	X	Critical wildlife habitat
YES		NO	X	Archaeological or cultural resources
YES		NO		Air quality aspects (to be used only if Project is in or adjacent to a Class I area

Enclosed is a copy of the BIA's Environmental Analysis (EA) concurred and signed by the Ute Indian Tribe. Please refer to item 6.0 for Mitigation Stipulations as well as any applicable stipulations in 10.0 for Additional Stipulations

REMARKS: The Ute Tribe Energy & Minerals (E&M) Department also requires that all companies adhere to the following criteria, during and after, all phases of construction activities.

GRANT OF EASEMENT FOR RIGHT-OF-WAY

ROW Serial No. H62-2007-099
TAAMS ID NO.: **6RW2007099**
BIA TRANSACTION NO.: 687-13-00099-07
WELLSITE & ACCESS ROAD – **SCS 5C-32-14-19**

KNOW ALL MEN BY THESE PRESENTS:

That the **UNITED STATES OF AMERICA**, as trustee for UTE INDIAN TRIBE acting by and through the **Superintendent of the Uintah and Ouray Agency**, as "Grantor", under authority contained in 209 DM 8 (39 F.R. 32166), 10 BIAM 3 (34 F.R.637) 230 DM 3 (20 F.R. 992) and Sec. 2.11 (34 F.R. 11109), pursuant and subject to the provisions of the Act of February 5, 1948 Stat. 17, (U.S.C. 323-328), and Part 169, Title 25, Code of Federal Regulations in consideration of:

ZERO, ($0.00) – **As per the terms and conditions contained in Questar's Wolf Flat Exploration & Development Agreement,** which is acknowledged, does hereby grant to:

Questar Exploration & Production Co., 1050 17th St., Suite 500, Denver. CO 80265
Its successors and assignees hereinafter referred to as "Grantee" an easement for right-of –way.

In accordance with the attached proposal survey plat: **For the SCS 5C-32-14-19 G.L.O. Plat No. 48093, dated 12/22/2006 for Section 29, 32, Township 14 South, Range 19 East, S.L.B.& M. for the following:**

Well Site:	**Located in the SW/4NW/4 of Section 32, being 3.212 acres, m/l,**
Access Road:	**Located in the W/2NW/4, NE/4NW/4 of Section 32, and the SE/4SW/4 of Section 29, being 2,647.95' in length, and 30' in width, and 1.824 acres, m/l, Total ROW acreage 5.036, m/l**

Within the exterior boundaries of the Uintah & Ouray Reservation for the following purposes namely: The construction, maintenance, repair, inspection, protection, operation and removal of the **SCS 5C-32-14-19** together with the necessary appurtenances thereto, on, over and across the land embraced within the right-of-way located in Uintah County, Utah.

TO HAVE AND TO HOLD said easement and right-of-way unto the Grantee and unto its successors and assigns, together with prior existing right or adverse claim and is for the length of **TWENTY (20) YEARS,** beginning **January 23, 2007,** so long as easement shall actually be used for the purposes above specified. Consideration may be increased at five (5) year intervals if necessary to reflect the existing market prices.

This right-of-way shall be terminable in whole or in part by the grantor for any of the following causes upon 30 days' written notice and failure to the Grantee within said notice period to correct the basis of termination (25 CFR 169.20)

A. Failure to comply with any term or condition of the grant or applicable regulations.
B. A nonuse of the right-of-way for a consecutive two-year period for the purpose for which it was granted.
C. An abandonment of the right-of-way. Failure of the Grantee to file with the Grantor an Affidavit of Completion pursuant to 25 CFR 169.16; Upon completion of construction, or in any case within two years of date of this easement granted in the case construction does not begin or is completed.

The conditions of this easement shall extend to and be binding upon and shall insure to the benefit of the successors and assignees of the Grantee. It has been determined that approval of this document is not such a major federal action significantly affecting the quality of the human environment as to required the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. 4332) (2) (c).

IN WITNESS WHEREOF, Grantor has executed this Grant of Easement for Right-of-Way this **23rd** day of **January, 2007** pursuant to authority delegated to the Assistant Secretary – Indian Affairs by 209 DM 8, 230 DM 1, and to the Western Regional Director by 3 IAM 4 (Release No. 99-03), and to the Superintendent/Field Representatives by 10 BIAM 11, as amended by Western Regional Release No. 97-1 an any further delegation needed to effectuate the reorganization embodied in DM Releases dated April, 2003.

UNITED STATES OF AMERICA
U.S. Department of the Interior
Uintah & Ouray Agency
Fort Duchesne, UT 84026

By: _____
Acting Superintendent

ACKNOWLEDGEMENT OF SUPERINTENDENT

STATE OF UTAH)
)ss
COUNTY OF UINTAH)

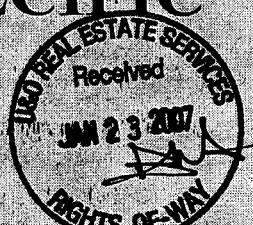
The foregoing instrument was acknowledged before me this **23rd** day of **January, 2007,** by **Dinah M. Peltier,** Acting Superintendent for the Bureau of Indian Affairs, Uintah & Ouray Agency.
Witness my hand and official seal.

Notary Public
SARAH A. JACK
[illegible] P.O. Box 130
[illegible] UT 84026
My Commission Expires
June 16, 2010
State of Utah

_____
Sarah A. Jack, Notary Public

My Commission Expires: June 16, 2010

ENVIRONMENTAL ANALYSIS
SITE SPECIFIC



RECEIVED
JAN 23 2007
UINTAH AND OURAY AGENCY
Superintendent

WELL NO: SCS 5C-32-14-19
Legal Description:
Surface: SW/4 NW/4, SEC. 32, T14S, R19E
COMPANY: QUESTAR EXPLR. & PROD. CO.
Date: 1/19/2007

1.0 - PROPOSED ACTION

X	**ROAD ACCESS**	# of feet	**2647.95 feet**
X	**WELL PAD**	# of feet	**3.212 acres**
	PIPELINE	# of feet	
	POWERLINE	# of feet	
	CORRIDOR ROW	# of feet	
	Other		

Notes:

2.0 - ALTERNATIVE ACTIONS

A. ALTERNATIVE CONSIDERED: The proposed action is the preferred alternative.

B. NO ACTION: Under the no action alternative, the proposed action would not be implemented.

C. OTHER: NA

3.0 - SITE SPECIFIC SURVEY

A. SITE DESCRIPTION

1. Elevation (feet)	4833.3 GR					
2. Annual precipitation (inches)	6" TO 8"					
3. Topography	Sandy Loam Slope					
4. Soil	Sandy Loam					
5. Est. Infiltration Rage		Low		Moderate		High

B. VEGETATION

1. Habitat type is:								
2. Percent Ground Cover:								
3. Vegetation consists of:	50 %	Grasses	50 %	Shrubs	%	Forbs	50 %	Trees

The main variety of grasses are	☐ blue grama ☒ Poa	☐ bluebunch wheat ☐ Indian rice	☐ squirrel tail ☒ cheat Grass	☒ needle & thread ☒ galletta ☐ None
Shrubs consist of:	☐ prickly pear ☒ Spiny horse bush ☐ Wild buckwheat	☐ spiny hopsage ☒ Grease wood ☐ Black sage	☒ rabbit brush ☐ Snake weed	☒ Fourwing salt bush ☐ Sand sage ☐ None
Forbs consist of:	☐ Annuals ☐ Mustard	☐ Lamb quaters	☐ Gilia	☐ Penstamen ☐ None
Trees consist of:	☐ Pinion pine	☐ Utah juniper	☐ Upland pinion juniper	☐ None

4. Observed T&E species:	
5. Potential For T&E species:	
6. Observed Noxious Weeds:	

C. AFFECTED ENVIRONMENT

1. There are no surface damages as a result of the initial survey.

3.1 - WILDLIFE

A. POTENTIAL SITE UTILIZATION

1. Big Game	☒ Elk	☒ Mule Deer	☒ Antelope	☐ Other:
2. Small Game	☒ Cotton Tail Rabbit	☐ Dove	☐ Quail	☐ Other
3. Raptors	☒ Golden Eagles	☐ Redtail Hawk	☐ Kestrel	☐ Other
4. Non-Game Wildlife	☒ Cattle ☐ Song birds	☒ Coyote ☐ Black Tail Jack Rabbit	☐ Fox	☐ Other
5. T&E Species	☐			

3.2 - PRESENT SITE USE

A. USE

	Acres
Rangeland & Woodland	5.036
Irrigable land	0
Non-Irrigable land	5.036
Commercial timber	0
Floodplain	0
Wetland	0
Riparian	0
Other:	0

3.3 - CULTURAL RESOURCES

A. CULTURAL RESOURCES/SURVEY

Cultural Resource Surveys were performed by _____, on _____.
Company Name *Date*

The consultant recommends clearance of the project as it is presently staked, and approved by BIA and UT Technicians.

☐ Consultant ☐ UT Technician ☐ BIA Representative

All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.

4.0 - ENVIRONMENTAL IMPACTS

A. SURFACE ALTERATIONS:

	Acres
1. Access road	**1.824**
2. Well site	**3.212**
3. Pipeline right-of-way	
4. Total area disturbed	**5.036**

B. VEGETATION/LANDSCAPE

1. Production loss (AUM's)/year:	.29
2. Permanent scar on landscape:	
3. Potential impacts to T&E species:	

C. SOIL/RANGE/WATERSHED

The area is presently used as rangeland. In recent years the area has been permitted for livestock grazing, but at the present time no permits have been issued for the area. This project will reduce livestock & wildlife grazing by approximately 0.29 AUM/year.

The area is not used as irrigated cropland and a water right has not been designated for the area.

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

There will be an insignificant reduction of wildlife habitat and grazing for livestock. There will also be an increase in wildlife disturbance and poaching resulting from the additional traffic and people using the area.

There are no known impacts to Threatened or Endangered species but the area is important winter range for big game.

5.0 - MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

1. Before the site is abandoned the company will be required to restore the right-of-way to near its original state. The disturbed area will be reseeded with desirable perennial vegetation.

2. Noxious weeds will be controlled on all rights-of-way. If noxious weeds spread from the rights-of-way onto adjoining land, the company will also be responsible for their control.

B. SOILS/RANGE/WATERSHEDS

1. Soil erosion will be mitigated by reseeding all disturbed areas.

2. The pipeline will be constructed to lie on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way.

Where pipelines do not parallel roads but cross-country between stations, they shall be welded in place at wellsites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

C. DRILLING SYSTEM

An open drilling system shall be used. The reserve pit shall be lined with a synthetic leak proof liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed the pit shall be backfilled a minimum of 3.0 feet below the soil surface elevation.

A closed drilling system shall be used in all flood plain areas, and other highly sensitive areas, as recommended by the Ute Tribe Technician, BIA and other agencies involved.

D. PRODUCTION SYSTEM

A closed production system shall be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.

E. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

No Threatened & Endangered species have been identified associated with this project. Therefore, no stipulations have been developed for their protection.

F. UTE TRIBAL REGULATIONS

1. Prior to commencing surveys or construction on the U&O Indian Reservation the operator, and any of its sub-contractors, shall acquire access permits and business permits from the Ute Indian Tribe.

2. Prior to the commencement of construction, the operator shall notify the Ute Tribal Department of Energy and Minerals of the date construction shall begin.

6.0 - UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

None of the adverse impacts listed in 5.0 above can be avoided in a practical manner except those which are mitigated in item 6.0 above.

B. RELATIONSHIP BETWEEN SHORT-TERM USE OF THE ENVIRONMENT VS LONG TERM PRODUCTIVITY.

1. Short Term: (Estimated 20 years) A total loss of production on the land and the associated environmental impacts will continue to influence the surrounding area for the productive life of the well.

2. Long Term: Standard policies provide for rehabilitation of rights-of-ways. After the land is rehabilitated, it is expected to return to its original productive capability. Normally, there will be no permanent scar left on the landscape.

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

Oil and Gas are non-renewable resources; once they have been removed they can never be replaced.

7.0 - CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and grazing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

8.0 - NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, the proposed location in the following areas of environmental impacts has been cleared:

Listed Threatened & Endangered species	
Critical wildlife habitat	
Historical and cultural resources	

9.0 - REMARKS

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

10.0 – ADDITIONAL STIPULATIONS

- A 30 foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understand that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- **The Company shall assure the Ute Tribe that 'ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONSTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.**
- **You are hereby notified that working under the *"umbrella"* of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.**
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing, and will receive written authorization of any such change with appropriate authorization.
- The company will implement "Safety and Emergency Plan". The Company's safety director will ensure its compliance.
- All company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-of-way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

Additional Stipulations:

1. Paint tanks Olive Black
2. Culvert as needed
3. diversions around pad
4. Burm bottom side of pad
5. Monitor for erosion construction
6. Pile pit on side of road for wildlife
7. If possible construct road to eaton life off for wildlife run

11.0 - RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

We recommend ☒ APPROVAL ☐ DISAPPROVAL of the proposed action as outlined in item 1.0 above.

Date: January 19, 2007

UT Energy & Minerals Technician
Ute Indian Tribe

Date: January 22, 07

Lynn Becker, Land Division Manager
UT Energy & Minerals Department

Date: 1/19/07

BIA Representative
Uintah and Ouray Agency

1/23/07

11.0 - DECLARATION

A. APPROVAL

It has been determined that the proposed action is not a federal action significantly affecting the quality of the environment as it would require the preparation of an environmental impact statement in accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (42 USC 4331)(2)(C).

Date: 1/23/07

Acting Superintendent, Uintah and Ouray Agency

12.0 - CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

Agency/Company Name	*Name*	*Initials*
QUESTAR EXPLR. & PROD. CO.	STEPHANIE TUNKINSON	
QUESTAR EXPLR. & PROD. CO.		
BIA	Shaunee German	

Additional Operator Remarks

Questar Exploration and Production Company proposes to drill a well to 13,700' to test the Wingate. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

See Onshore Order No. 1 attached

Please be advised that Questar Exploration and Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. 965003033. The principal is Questar Exploration and Production Company via surety as consent as provided for the 43 CFR 3104.2.

From: Robert Clark
To: Mason, Diana
Date: 1/29/2007 12:20 PM
Subject: RDCC short turn-around responses

CC: Anderson, Tad; Heying, Cheryl; Mcneill, Dave

The following comments are in response to RDCC short turn around items **RDCC #7511 through 7517 and RDCC #7527 through 7534.**

FYI: All comments are similar with the exception of the requesting entity, the well designation, and the county.

RDCC #7511, Comments begin: The Berry Petroleum Company proposal to drill the LC Tribal 2-11D-56 wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7512, comments begin: The Berry Petroleum Company proposal to drill the LC Tribal 2-11D-56 wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

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RDCC #7513, comments begin: The Royalite Petroleum Corporation proposal to drill the Royalite State 16-1 wildcat well, in Piute County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

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RDCC #7514, comments begin: The Delta Petroleum Corporation proposal to drill the Salt Valley State 23-43 wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

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RDCC #7515, comments begin: The Delta Petroleum Corporation proposal to drill the Salt Valley State 24-14 wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

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RDCC #7516, comments begin: The EOG Resources, Inc. proposal to drill the Big Wash 61-16-GR wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

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RDCC #7517, comments begin: The EOG Resources, Inc. proposal to drill the Big Wash 30-02-GR wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

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RDCC #7527, comments begin: The Questar Exploration & Production Company proposal to drill the SCS 5C-32-14-19 wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing

vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7528, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-33S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7529, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-24S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7530, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-31S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7531, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-42S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7532, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-22S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any

compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7533, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-44S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7534, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-13S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

Robert Clark
Division of Air Quality
801-536-4435

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
265	43-047-38963-00-00		GW	I	No

Operator QUESTAR EXPLORATION & PRODUCTIO **Surface Owner-APD**
Well Name SCS 5C-32-14-19 **Unit**
Field WILDCAT **Type of Work**
Location SWNW 32 14S 19E S 0 F L 0 F L GPS Coord (UTM) 601300E 4379178N

Geologic Statement of Basis

QEP proposes to set 500 feet of surface casing cemented to the surface. A production string will be set at 4,100 feet. Cement for the production string has been stipulated, by Engineering to extend up to approximately3,600 feet. The base of the moderately saline water is estimated at 2,800 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this location is the Green River Formation. The Green River Formation is made up of interbedded sandstones, shales, and limestones. The Green River Formation can be expected to contain useable aquifers which should be protected. The proposed casing and cement program should adequately protect usable ground water in the area.

Brad Hill — 2/8/2007
APD Evaluator — **Date / Time**

Surface Statement of Basis

The surface rights at the proposed location are owned by the Ute Tribe. The operator is responsible for obtaining any needed permits and/or rights-of-way from the Ute Tribe.

Brad Hill — 2/8/2007
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
	None.

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	TVD	MD	Prod. Phase Anticipated
Green River	Sfc	Sfc	
Wasatch	3705	3705	
Mesa Verde	5660	5660	Gas
Castle Gate	7530	7530	
Mancos	8270	8270	
Dakota Silt	11,610	11,610	
Dakota	11,700	11,700	Gas
Cedar Mountain	11,785	11,785	
Morrison	11,985	11,985	
Curtis	12,595	12,595	
Entrada	12,715	12,715	Gas
Carmel	12,930	12,930	
Wingate	13,140	13,140	Gas
Chinle	13,530	13,530	
TD	13,700	13,700	

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	TVD Depth	MD Depth
Gas	Mesa Verde	5,660'	5,660'
Gas	Dakota	11,700'	11,700'
Gas	Entrada	12,715'	12,715'
Gas	Wingate	13,140'	13,140'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Willow Creek water right #49-2183 / Permit# T75500.

All waste water resulting from drilling operations will be disposed of at RNI disposal pit located in NWNE Section 5, T9S, R22E.

3. Operator's Specification for Pressure Control Equipment:

A. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)

B. Functional test daily

C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, or 70 % of burst whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.

D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

	Depth	Hole Size	Csg Size	Type	Weight
Surface	500'	17 ½"	13 3/8"	H-40	48lb/ft (new)
Intermediate	4100'	12 ¼"	9 5/8"	J-55	40lb/ft (new)
Production	TD	8 ½"	5 ½"	P-110	17lb/ft(new)

5. Auxiliary Equipment

A. Kelly Cock – yes

B. Float at the bit – no

C. Monitoring equipment on the mud system – visually

D. Full opening safety valve on the rig floor – yes

E. Rotating Head – yes

If drilling with air the following will be used:

F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.

G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

H. Compressor shall be tied directly to the blooie line through a manifold.

I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

A. Cores – none anticipated

B. DST – none anticipated

Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
FMI

C. Formation and Completion Interval: Wingate interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. Cementing Program

See attached Cementing Recommendation.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5522 psi. Maximum anticipated bottom hole temperature is 220° F.

9. Surface Owner
The well pad and access road are located on lands owned by the Ute Tribe.

Q. E. P.
1050 17th Street Suite 500
Denver, Colorado 80265

SCS 5C-32-14-19
Flat Rock Field
Uintah County, Utah
United States of America

Cementing Recommendation

Prepared for: Mr. Jim Davidson
January 11, 2007
Version: 1

Submitted by:
Rory Cook
Halliburton Energy Services
Vernal Ut Us
1085 E Main
Vernal, Utah 84078
+435.789.2550

HALLIBURTON

Halliburton appreciates the opportunity to present this proposal and looks forward to being of service to you.

Foreword

Enclosed is our recommended procedure for cementing the casing strings in the referenced well. The information in this proposal includes well data, calculations, materials requirements, and cost estimates. This proposal is based on information from our field personnel and previous cementing services in the area.

Halliburton Energy Services recognizes the importance of meeting society's needs for health, safety, and protection of the environment. It is our intention to proactively work with employees, customers, the public, governments, and others to use natural resources in an environmentally sound manner while protecting the health, safety, and environmental processes while supplying high quality products and services to our customers.

We appreciate the opportunity to present this proposal for your consideration and we look forward to being of service to you. Our Services for your well will be coordinated through the Service Center listed below. If you require any additional information or additional designs, please feel free to contact myself or our field representative listed below.

Remember the Basics of Cementing:

-Annular Energy	*-Mud Properties (PV, YP, FL, GS)*
-Spacers / Fllushes	*-Pipe Centralization*
-Plug System	*-Communication*

Prepared by: _____
Kyle Scott
Technical Professional

Submitted by: _____
Rory Cook
Account Leader

SERVICE CENTER:	Vernal, Utah
SERVICE COORDINATOR:	Willis Lefevre / Kyle Scott
OPER. ENGINEER:	Carl Carlson
FSQC:	Lex Cook
CMT ENGINEER	Douglas Harding
PHONE NUMBER:	(435) 789-2550

Cementing Best Practices

1. Cement quality and weight: You must choose a cement slurry that is designed to solve the problems specific to each casing string.

2. Waiting time: You must hold the cement slurry in place and under pressure until it reaches its' initial set without disturbing it. A cement slurry is a time-dependent liquid and must be allowed to undergo a hydration reaction to produce a competent cement sheath. A fresh cement slurry can be worked (thickening or pump time) as long as it is in a plastic state and before going through its' transition phase. If the cement slurry is not allowed to transition without being disturbed, it may be subjected to changes in density, dilution, settling, water separation, and gas cutting that may lead to a lack of zonal isolation and possible bridging in the annulus.

3. Pipe movement: Pipe movement may be one of the single most influential factors in mud removal. Reciprocation and/or rotation mechanically breaks up gelled mud and changes the flow patterns in the annulus to improve displacement efficiency.

4. Mud properties (for cementing):

Rheology:

Plastic Viscosity (PV) < 15 centipoise (cp)
Yield Point (YP) < 10 lb/100 ft2
These properties should be reviewed with the Mud Engineer, Drilling Engineer, and Company Representative(s) to ensure no hole problems are created.

Gel Strength:

The 10-second/10-minute gel strength values should be such that the 10-second and 10-minute readings are close together or flat (i.e., 5/6). The 30-minute reading should be less than 20 lb/100 ft². Sufficient shear stress may not be achieved on a primary cement job to remove mud left in the hole if the mud were to develop more than 25 lb/100 ft² of gel strength.

Fluid Loss:

Decreasing the filtrate loss into a permeable zone enhances the creation of a thin, competent filter cake. A thin, competent filter cake created by a low fluid loss mud system is desirable over a thick, partially gelled filter cake. A mud system created with a low fluid loss will be more easily displaced. The fluid loss value should be < 15 cc's (ideal would be 5 cc's).

5. Circulation: Prior to cementing circulate full hole volume twice, or until well conditioned mud is being returned to the surface. There should be no cutting in the mud returns. An annular velocity of 260 feet per minute is optimum (SPE/IADC 18617), if possible.

6. Flow rate: Turbulent flow is the most desirable flow regime for mud removal. If turbulence cannot be achieved pump at as high a flow rate that can practically and safely be used to create the maximum flow energy. The highest mud removal is achieved when the maximum flow energy is obtained.

7. Pipe Centralization: This Cement will take the path of least resistance, therefore proper centralization is important to help prevent the casing from contacting the borehole wall. A minimum standoff of 70% should be targeted for optimum displacement efficiency.

8. Rat hole: A weighted viscous pill placed in the rat hole prior to cementing will minimize the risk of higher density cement mixing with lower density mud when the well is static.

9. Top and Bottom plugs: A top and bottom plug are recommended to be run on all primary casing jobs. The bottom plug should be run after the spacer and ahead of the first cement slurry.

10. Spacers and flushes: Spacers and/or flushes should be used to prevent contamination between the cement slurry and the drilling fluid. They are also used to clean the wellbore and aid with bonding. To determine the volume, either a minimum of 10 minutes contact time or 1000 ft. of annular fill, whichever is greater, is recommended.

Job Information — Cement Surface Casing

SCS 5C-32-14-19

13-3/8" Surface Casing	0 - 500 ft (MD)
	0 - 500 ft (TVD)
Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
Casing Grade	H-40
17-1/2" Open Hole	0 - 500 ft (MD)
	0 - 500 ft (TVD)
Inner Diameter	17.500 in
Job Excess	100 %
Mud Type	Air

Spacer:

Total Spacer	= 112.29 ft^3
	= 20.00 bbl

Cement : (500.00 ft fill)

500.00 ft * 0.6946 ft^3/ft * 100 %	= 694.64 ft^3
Primary Cement	= 694.64 ft^3
	= 123.72 bbl

Shoe Joint Volume: (42.00 ft fill)

42.00 ft * 0.8818 ft^3/ft	= 37.03 ft^3
	= 6.60 bbl
Tail plus shoe joint	= 731.67 ft^3
	= 130.32 bbl
Total Tail	= 406 sks

Total Pipe Capacity:

500.00 ft * 0.8818 ft^3/ft	= 440.89 ft^3
	= 78.53 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint	= 78.53 bbl - 6.60 bbl
	= 71.93 bbl

Fluid Instructions

Fluid 1: Water Based Spacer
Gel Water

Fluid Density:	8.34 lbm/gal
Fluid Volume:	20 bbl

Fluid 2: Rockies LTCement
MidCon-2 Premium Plus
0.25 lbm/sk Kwik Seal (Lost Circulation Additive)
0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight	13.50 lbm/gal
Slurry Yield:	1.80 ft^3/sk
Total Mixing Fluid:	9.33 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	500 ft
Volume:	130.32 bbl
Calculated Sacks:	405.81 sks
Proposed Sacks:	410 sks

Fluid 3: Water Spacer
Water Displacement

Fluid Density:	8.34 lbm/gal
Fluid Volume:	71.93 bbl

Fluid 4: Top Out Cement
Premium Plus - Type III
94 lbm/sk Premium Plus - Type III (Cement-api)
2 % Calcium Chloride (Accelerator)

Fluid Weight	14.50 lbm/gal
Slurry Yield:	1.41 ft^3/sk
Total Mixing Fluid:	6.86 Gal/sk
Proposed Sacks:	200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Spacer - Wbm	8.3	5.0	20 bbl
2	Cement	Primary Cement	13.5	5.0	410 sks
3	Spacer	Displacement Fluid	8.3	5.0	71.93 bbl
4	Cement	Top Out Cement	14.5	1.5	200 sks

Job Information — Cement Intermediate Casing

SCS 5C-32-14-19

13-3/8" Surface Casing	0 - 500 ft (MD)
	0 - 500 ft (TVD)
Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
Casing Grade	H-40
12-1/4" Open Hole	500 - 4100 ft (MD)
Inner Diameter	12.250 in
Job Excess	50 %
9-5/8" Intemediate Casing	0 - 4100 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.835 in
Linear Weight	40 lbm/ft
Casing Grade	J-55
Mud Type	Aerated
Mud Weight	8.40 lbm/gal
BHCT	95 degF

Spacer:

Total Spacer	= 56.15 ft^3
	= 10.00 bbl

Spacer:

Total Spacer	= 112.29 ft^3
	= 20.00 bbl

Spacer:

Total Spacer	= 56.15 ft^3
	= 10.00 bbl

Cement : (2600.00 ft fill)

500.00 ft * 0.3765 ft^3/ft * 0 %	= 188.25 ft^3
2100.00 ft * 0.3132 ft^3/ft * 50 %	= 986.54 ft^3
Total Foamed Lead Cement	= 1174.79 ft^3
	= 209.24 bbl
Sacks of Cement	= 465 sks

Cement : (1000.00 ft fill)

1000.00 ft * 0.3132 ft^3/ft * 50 %	= 469.78 ft^3
Total Foamed Lead Cement	= 469.78 ft^3
	= 83.67 bbl
Sacks of Cement	= 241 sks

Cement : (500.00 ft fill)

500.00 ft * 0.3132 ft^3/ft * 50 %	= 234.89 ft^3
Tail Cement	= 234.89 ft^3
	= 41.84 bbl

Shoe Joint Volume: (42.00 ft fill)

42.00 ft * 0.4257 ft^3/ft	= 17.88 ft^3
	= 3.18 bbl
Tail plus shoe joint	= 252.77 ft^3
	= 45.02 bbl
Total Tail	= 172 sks

Total Pipe Capacity:

4100.00 ft * 0.4257 ft^3/ft	= 1745.52 ft^3
	= 310.89 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint	= 310.89 bbl - 3.18 bbl
	= 307.70 bbl

Fluid Instructions

Fluid 1: Water Spacer
Fresh Water Ahead

Fluid Density:	8.34 lbm/gal
Fluid Volume:	10 bbl

Fluid 2: Reactive Spacer
Super Flush

50 lbm/bbl Halliburton Super Flush (Flush/spacer Additive)
42 lbm/bbl Fresh Water (Base Fluid)

Fluid Density:	9.20 lbm/gal
Fluid Volume:	20 bbl

Fluid 3: Water Spacer
Fresh Water Behind

Fluid Density:	8.34 lbm/gal
Fluid Volume:	10 bbl

Fluid 4: 8.5 ppg Foamed Cement
50/50 Poz Premium
0.1 % HALAD-766 (Low Fluid Loss Control)
5 lbm/sk Silicalite Compacted (Light Weight Additive)
20 % SSA-1 (Cement Material)
0.1 % Versaset (Thixotropic Additive)
1.5 % Zonesealant 2000 (Foamer)

Fluid Weight	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.39 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	2600 ft
Volume:	209.24 bbl
Calculated Sacks:	464.98 sks
Proposed Sacks:	470 sks

209.24 bbl × 5.615 ft³/bbl = 1174.88 ft³
1174.88 ft³ / 464.98 = 2.53 ft³/sk

Fluid 5: 11 ppg Foamed Cement
50/50 Poz Premium
0.1 % HALAD-766 (Low Fluid Loss Control)
5 lbm/sk Silicalite Compacted (Light Weight Additive)
20 % SSA-1 (Cement Material)
0.1 % Versaset (Thixotropic Additive)
1.5 % Zonesealant 2000 (Foamer)

Fluid Weight	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.39 Gal/sk
Top of Fluid:	2600 ft
Calculated Fill:	1000 ft
Volume:	83.67 bbl
Calculated Sacks:	240.63 sks
Proposed Sacks:	250 sks

465 + 241 = 706
1644.69 ft³ / 706 sk = 2.33 ft³/sk combined yield
83.67 bbl × 5.615 = 469.81
469.81 / 240.63 = 1.952
TOC to 12' w/ 9% w/o

Fluid 6: Unfoamed Tail
50/50 Poz Premium
0.1 % HALAD-766 (Low Fluid Loss Control)
5 lbm/sk Silicalite Compacted (Light Weight Additive)
20 % SSA-1 (Cement Material)
0.1 % Versaset (Thixotropic Additive)

Fluid Weight	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.39 Gal/sk
Top of Fluid:	3600 ft
Calculated Fill:	500 ft
Volume:	45.02 bbl
Calculated Sacks:	172.07 sks
Proposed Sacks:	180 sks

Fluid 7: Water Spacer
Displacement

Fluid Density:	8.34 lbm/gal
Fluid Volume:	307.70 bbl

Fluid 8: Cap Cement
Premium Cement
94 lbm/sk Premium Cement (Cement)
12 % Cal-Seal 60 (Accelerator)
3 % Calcium Chloride (Accelerator)

Fluid Weight	14.60 lbm/gal
Slurry Yield:	1.55 ft^3/sk
Total Mixing Fluid:	7.35 Gal/sk
Proposed Sacks:	75 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Spacer	8.3	5.0	10 bbl
2	Spacer	Reactive Spacer	9.2	5.0	20 bbl
3	Spacer	Spacer	8.3	5.0	10 bbl
4	Cement	Foamed Lead Cement	14.3	5.0	470 sks
5	Cement	Foamed Lead Cement	14.3	5.0	250 sks
6	Cement	Tail Cement	14.3	5.0	180 sks
7	Spacer	Displacement Fluid	8.3	7.0	307.70 bbl
8	Cement	Top Out Cement	14.6	1.5	75 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	8.5 ppg Foamed Cement	121.66bbl	8.5	8.5	23.3	339.7
5	11 ppg Foamed Cement	62.96bbl	11.0	11.0	146.6	217.3

Foam Design Specifications:

Foam Calculation Method: Constant Density
Backpressure: 75 psig
Bottom Hole Circulating Temp: 95 degF
Mud Outlet Temperature: 80 degF

Calculated Gas = 33581.5 scf
Additional Gas = 40000 scf
Total Gas = 73581.5 scf

Job Information — Cement Production Casing

SCS 5C-32-14-19

9-5/8" Intemediate Casing	0 - 4100 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.835 in
Linear Weight	40 lbm/ft
Casing Grade	J-55
8-1/2" Open Hole	4100 - 13700 ft (MD)
Inner Diameter	8.500 in
5-1/2" Production Casing	0 - 13700 ft (MD)
Outer Diameter	5.500 in
Inner Diameter	4.892 in
Linear Weight	17 lbm/ft
Casing Grade	P-110
Job Excess	40 %
Mud Type	Water Based Mud
Mud Weight	9.20 lbm/gal
BHST	220 degF
BHCT	180 degF

Spacer:

215.00 ft * 0.2607 ft^3/ft * 0 %	= 56.06 ft^3
Total Spacer	= 56.15 ft^3
	= 10.00 bbl

Spacer:

431.00 ft * 0.2607 ft^3/ft * 0 %	= 112.38 ft^3
Total Spacer	= 112.29 ft^3
	= 20.00 bbl

Spacer:

215.00 ft * 0.2607 ft^3/ft * 0 %	= 56.06 ft^3
Total Spacer	= 56.15 ft^3
	= 10.00 bbl

Cement : (9600.00 ft fill)

500.00 ft * 0.2607 ft^3/ft * 0 %	= 130.37 ft^3
9100.00 ft * 0.2291 ft^3/ft * 0 %	= 2084.58 ft^3
Total Foamed Lead Cement	= 2214.95 ft^3
	= 394.50 bbl
Sacks of Cement	= 1094 sks

Cement : (500.00 ft fill)

500.00 ft * 0.2291 ft^3/ft * 0 %	= 114.54 ft^3
Tail Cement	= 114.54 ft^3
	= 20.40 bbl

Shoe Joint Volume: (42.00 ft fill)

42.00 ft * 0.1305 ft^3/ft	= 5.48 ft^3
	= 0.98 bbl
Tail plus shoe joint	= 120.02 ft^3
	= 21.38 bbl
Total Tail	= 82 sks

Total Pipe Capacity:

13700.00 ft * 0.1305 ft^3/ft	= 1788.22 ft^3
	= 318.49 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint	= 318.49 bbl - 0.98 bbl
	= 317.52 bbl

Fluid Instructions

Fluid 1: Water Spacer
Fresh Water Ahead

Fluid Density:	8.34 lbm/gal
Fluid Volume:	10 bbl

Fluid 2: Reactive Spacer
Super Flush

Fluid Density:	9.20 lbm/gal
Fluid Volume:	20 bbl

Fluid 3: Water Spacer
Fresh Water Behind

Fluid Density:	8.34 lbm/gal
Fluid Volume:	10 bbl

Fluid 4: Foamed Lead
50/50 Poz Premium
- 0.3 % HALAD-766 (Low Fluid Loss Control)
- 5 lbm/sk Silicalite Compacted (Light Weight Additive)
- 20 % SSA-1 (Cement Material)
- 0.2 % Versaset (Thixotropic Additive)
- 1.5 % Zonesealant 2000 (Foamer)

Fluid Weight	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.39 Gal/sk
Top of Fluid:	3600 ft
Calculated Fill:	9600 ft
Volume:	394.50 bbl
Calculated Sacks:	1094.05 sks
Proposed Sacks:	1100 sks

394.50 bbl × 5.615 = 2215.12 / 1094.05 = 2.025 ft^3/sk

Fluid 5: Unfoamed Tail
50/50 Poz Premium
- 0.3 % HALAD-766 (Low Fluid Loss Control)
- 5 lbm/sk Silicalite Compacted (Light Weight Additive)
- 20 % SSA-1 (Cement Material)
- 0.2 % Versaset (Thixotropic Additive)
- 1.5 % Zonesealant 2000 (Foamer)

Fluid Weight	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.39 Gal/sk
Top of Fluid:	13200 ft
Calculated Fill:	500 ft
Volume:	21.38 bbl
Calculated Sacks:	81.59 sks
Proposed Sacks:	90 sks

TOC @ 3374 w/ 0% o

Fluid 6: Water Spacer
Displacement

Fluid Density:	8.34 lbm/gal
Fluid Volume:	317.52 bbl

Fluid 7: 12/3 Thixo
Premium Cement
- 94 lbm/sk Premium Cement (Cement)
- 12 % Cal-Seal 60 (Accelerator)
- 3 % Calcium Chloride (Accelerator)

Fluid Weight	14.60 lbm/gal
Slurry Yield:	1.55 ft^3/sk
Total Mixing Fluid:	7.35 Gal/sk
Proposed Sacks:	75 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Spacer	8.3	5.0	10 bbl
2	Spacer	Reactive Spacer	9.2	5.0	20 bbl
3	Spacer	Spacer	8.3	5.0	10 bbl
4	Cement	Foamed Lead Cement	14.3	5.0	1100 sks
5	Cement	Tail Cement	14.3	5.0	90 sks
6	Spacer	Displacement Fluid	8.3	7.0	317.52 bbl
7	Cement	Top Out Cement	14.6	1.5	75 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	Foamed Lead	286.64bbl	11.0	11.0	196.1	741.2

Foam Design Specifications:

Foam Calculation Method: Constant Density
Backpressure: 75 psig
Bottom Hole Circulating Temp: 180 degF
Mud Outlet Temperature: 120 degF

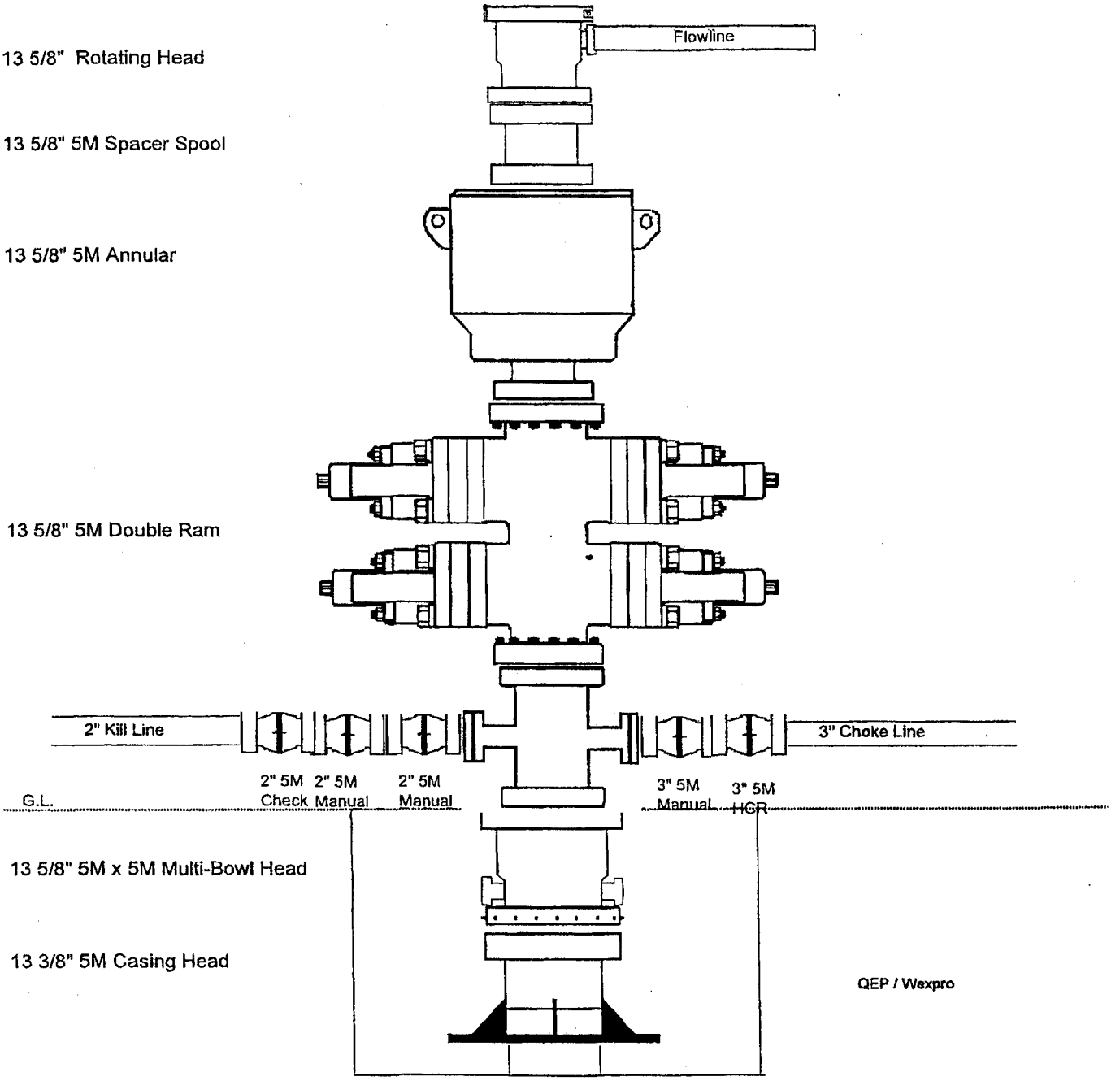
Calculated Gas = 137190.7 scf
Additional Gas = 40000 scf
Total Gas = 177190.7 scf

13 5/8" Rotating Head

13 5/8" 5M Spacer Spool

13 5/8" 5M Annular

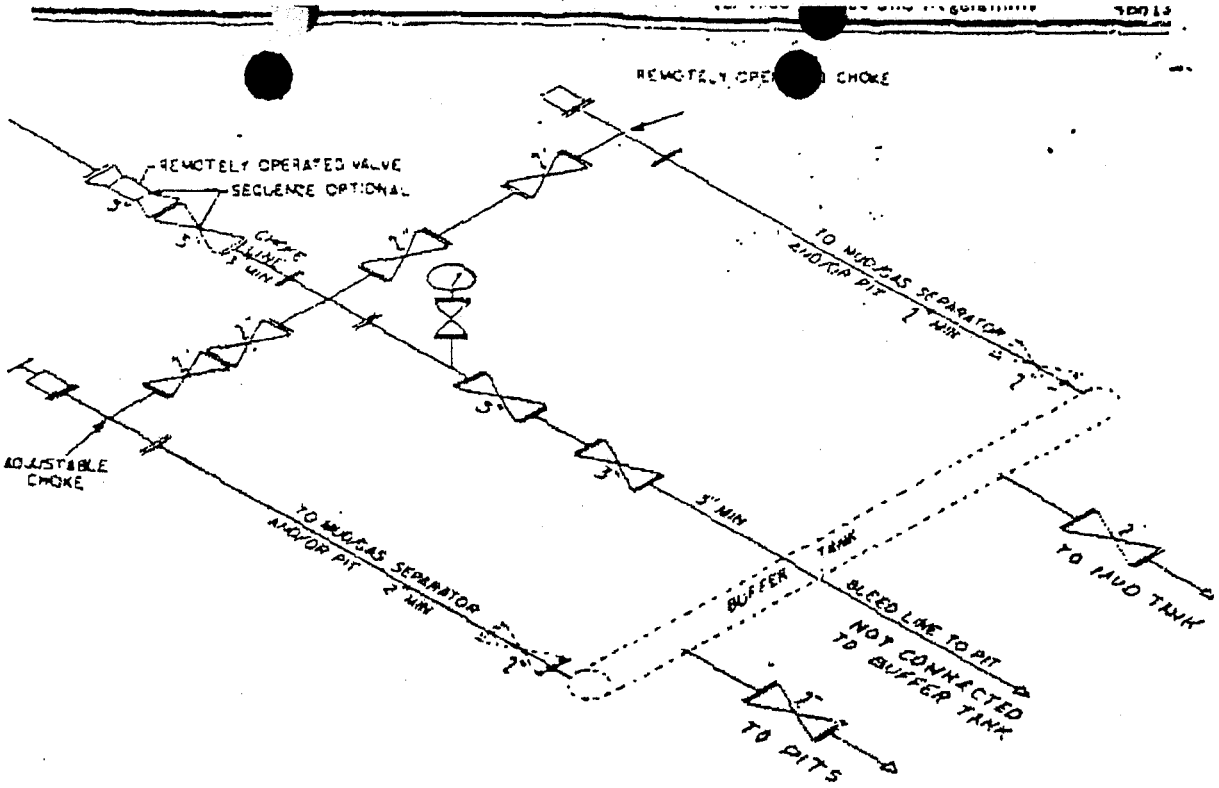
13 5/8" 5M Double Ram



13 5/8" 5M x 5M Multi-Bowl Head

13 3/8" 5M Casing Head

QEP / Wexpro



② 5M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

[FR Doc. 88-25738 Filed 11-17-88; 8:45 am]
BILLING CODE 4310-84-C

Lessee's or Operator's Representative:

Debra K. Stanberry
Questar Exploration and Production Company
Denver, Colorado
(303) 308-3068

Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Questar Exploration and Production Company will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Questar Exploration and Production Company, its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Debra K. Stanberry
Supervisor, Regulatory Affairs
Questar Exploration and Production Company

15-Jan-07
Date

QUESTAR EXPLR. & PROD.

SCS #5C-32-14-19

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T14S, R19E, S.L.B.&M.

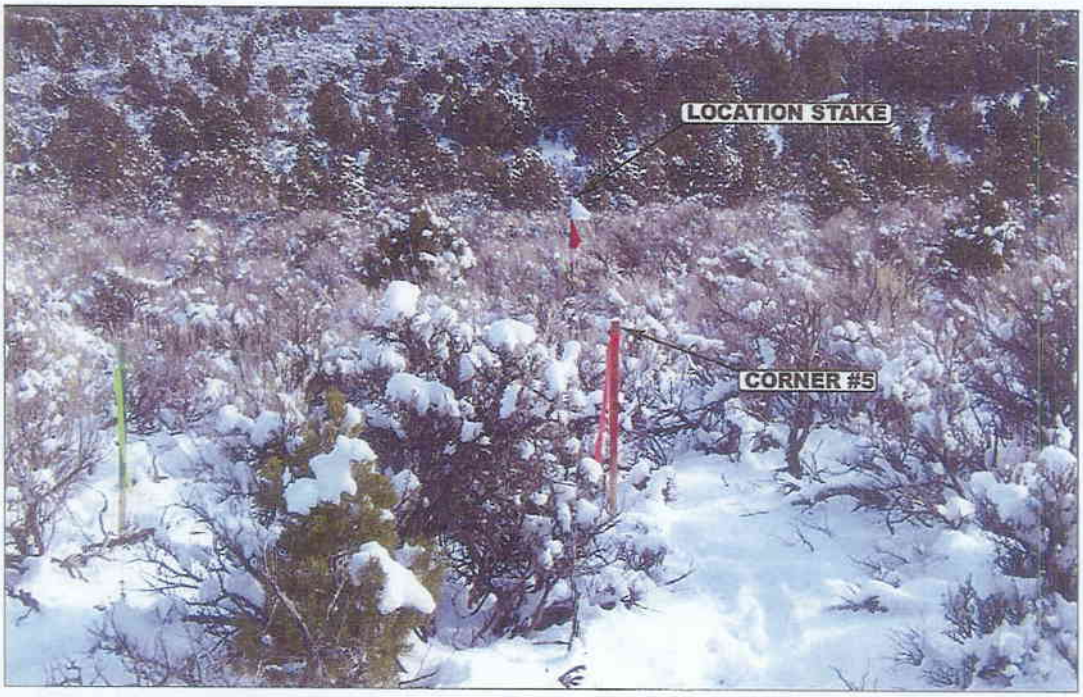


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: SOUTHEASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: SOUTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

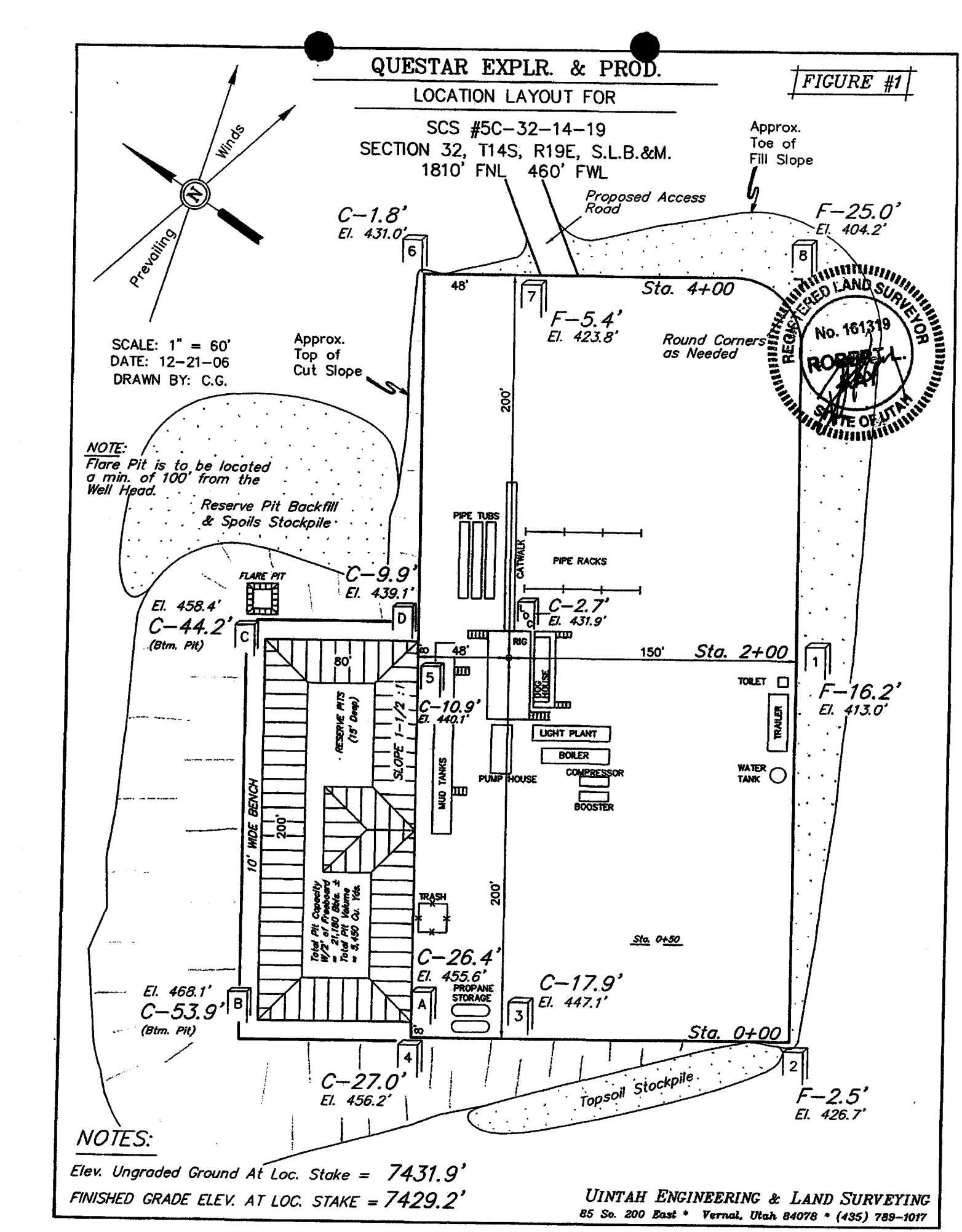
LOCATION PHOTOS	12 MONTH	22 DAY	06 YEAR	PHOTO
TAKEN BY: B.H.	DRAWN BY: J.L.G.	REVISED: 00-00-00		

QUESTAR EXPLR. & PROD.

LOCATION LAYOUT FOR

SCS #5C-32-14-19
SECTION 32, T14S, R19E, S.L.B.&M.
1810' FNL 460' FWL

FIGURE #1



NOTES:

Elev. Ungraded Ground At Loc. Stake = 7431.9'

FINISHED GRADE ELEV. AT LOC. STAKE = 7429.2'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QUESTAR EXPLR. & PROD.

TYPICAL CROSS SECTIONS FOR

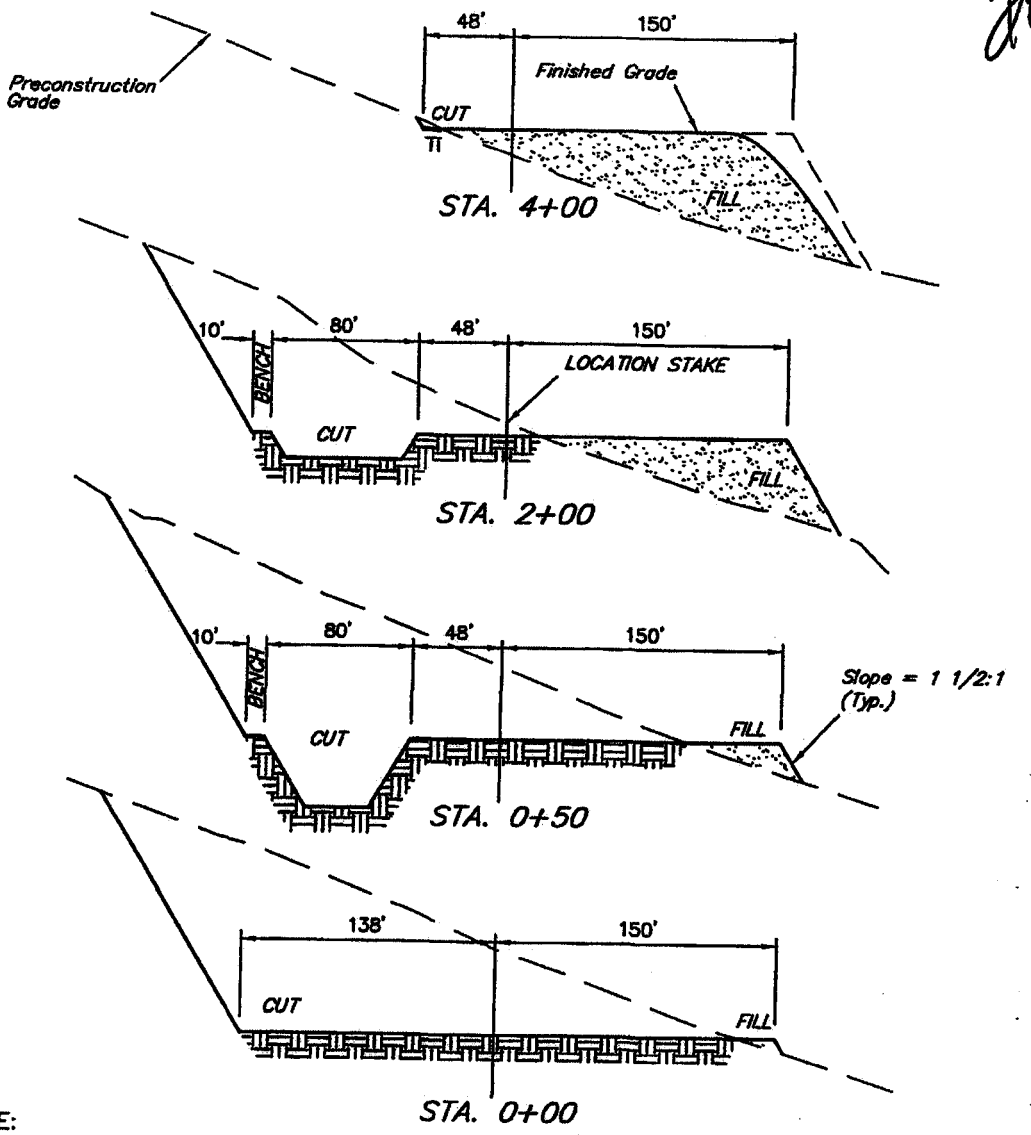
SCS #5C-32-14-19
SECTION 32, T14S, R19E, S.L.B.&M.
1810' FNL 460' FWL

FIGURE #2

1" = 40'
X-Section Scale
1" = 100'

DATE: 12-21-06
DRAWN BY: C.G.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 5,950 Cu. Yds.
Remaining Location = 50,840 Cu. Yds.

TOTAL CUT = 56,790 CU.YDS.
FILL = 25,180 CU.YDS.

EXCESS MATERIAL = 31,610 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 8,680 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 22,930 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QUESTAR EXPLR. & PROD.

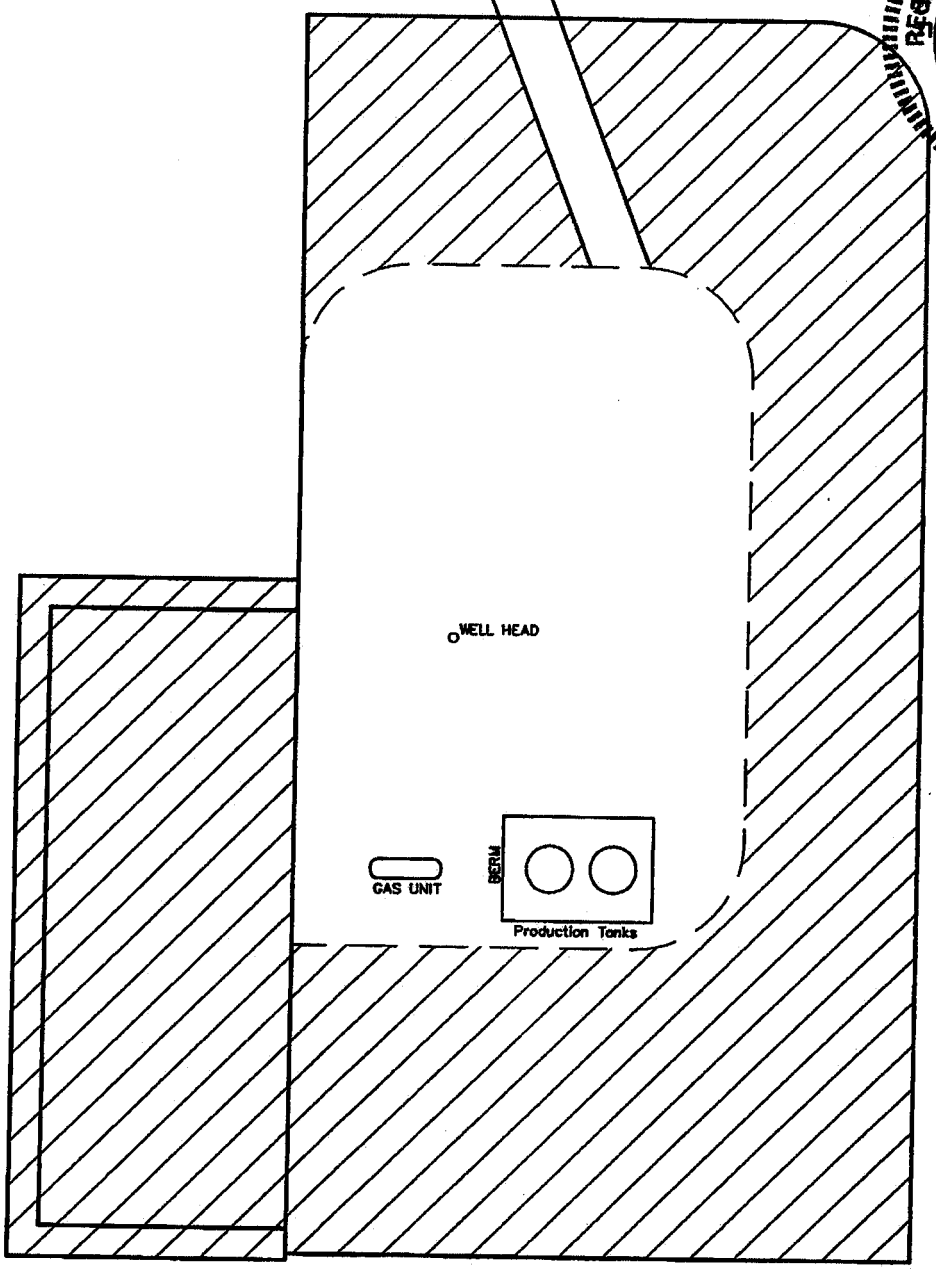
INTERIM RECLAMATION PLAN FOR

SCS #5C-32-14-19
SECTION 32, T14S, R19E, S.L.B.&M.
1810' FNL 460' FWL

FIGURE #3

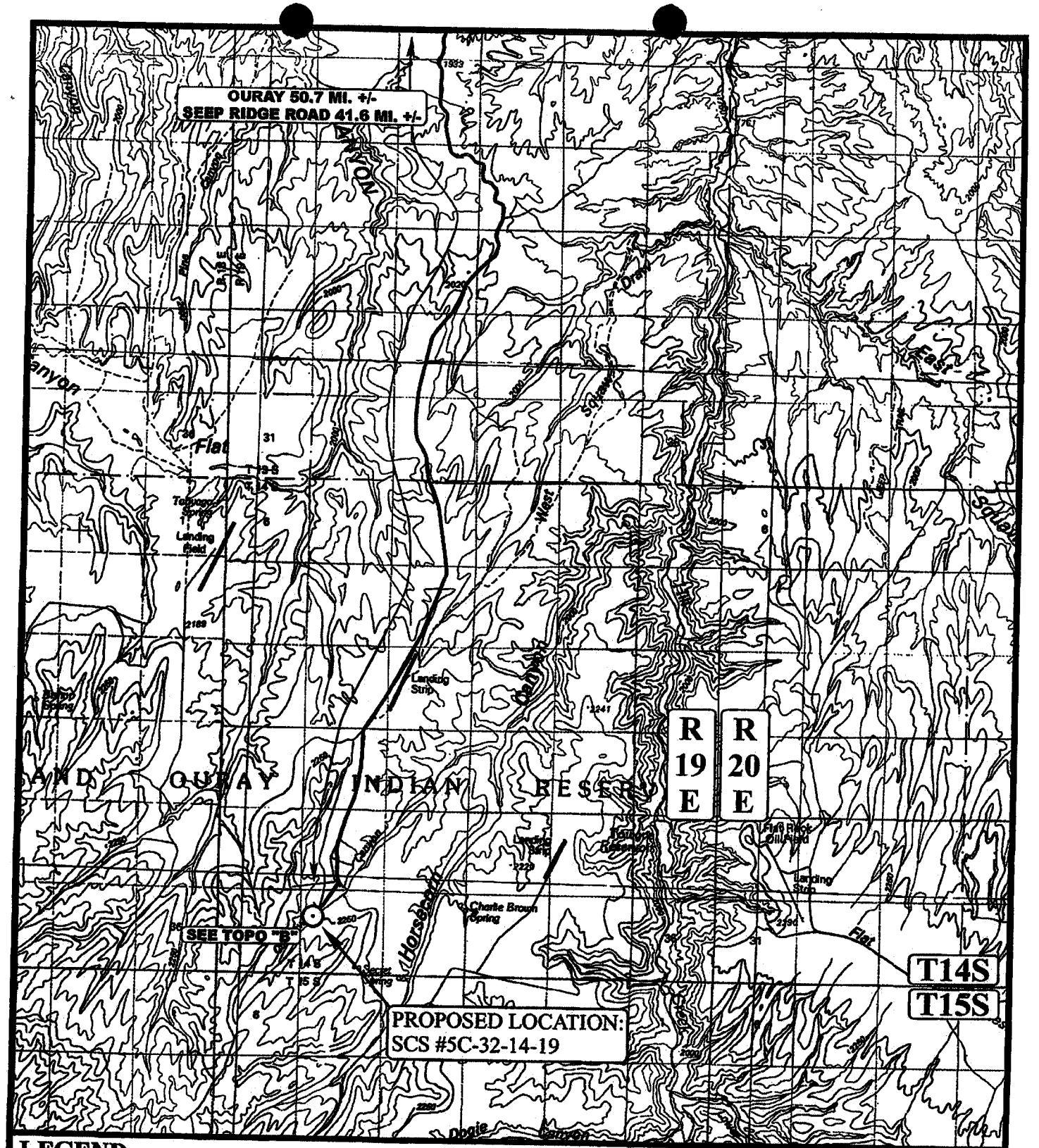
SCALE: 1" = 60'
DATE: 12-21-06
DRAWN BY: C.G.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



INTERIM RECLAMATION

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

⊙ PROPOSED LOCATION

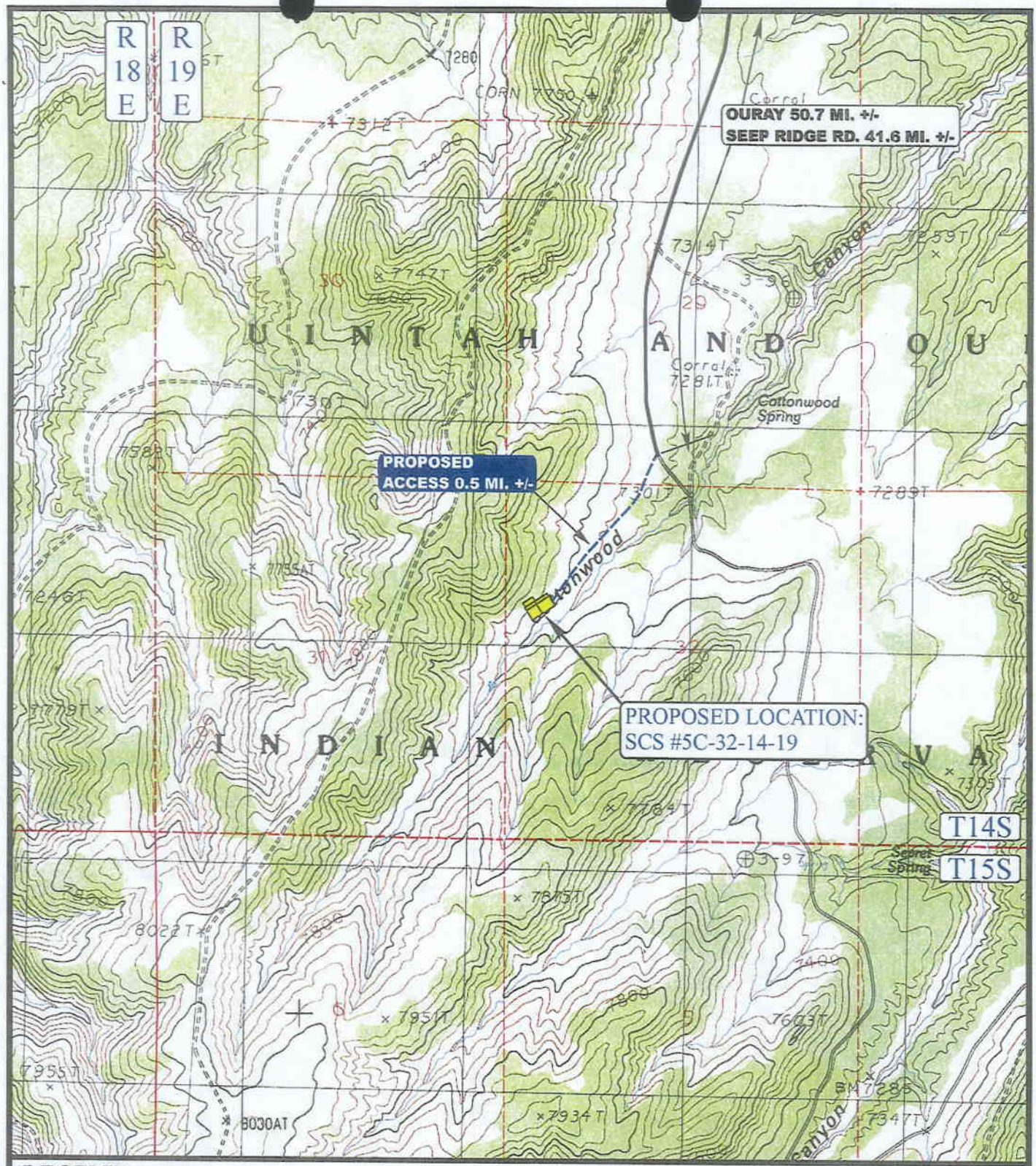
N

QUESTAR EXPLR. & PROD.

SCS #5C-32-14-19
SECTION 32, T14S, R19E, S.L.B.&M.
1810' FNL 460' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	22 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.L.G.	REVISED: 00-00-00		



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

N

QUESTAR EXPLR. & PROD.

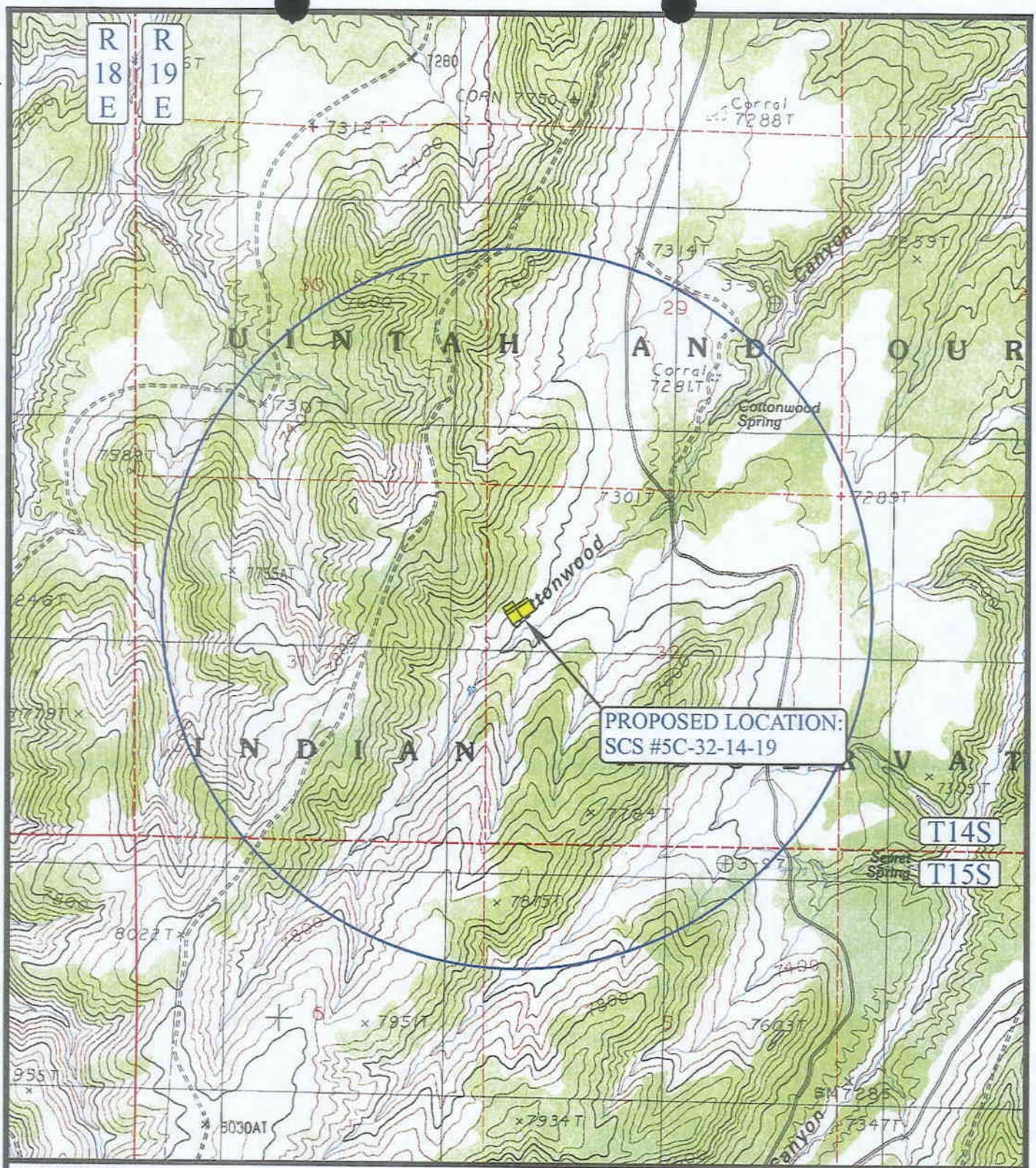
SCS #5C-32-14-19

SECTION 32, T14S, R19E, S.L.B.&M.

1810' FNL 460' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	22 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

QUESTAR EXPLR. & PROD.

SCS #5C-32-14-19

SECTION 32, T14S, R19E, S.L.B.&M.

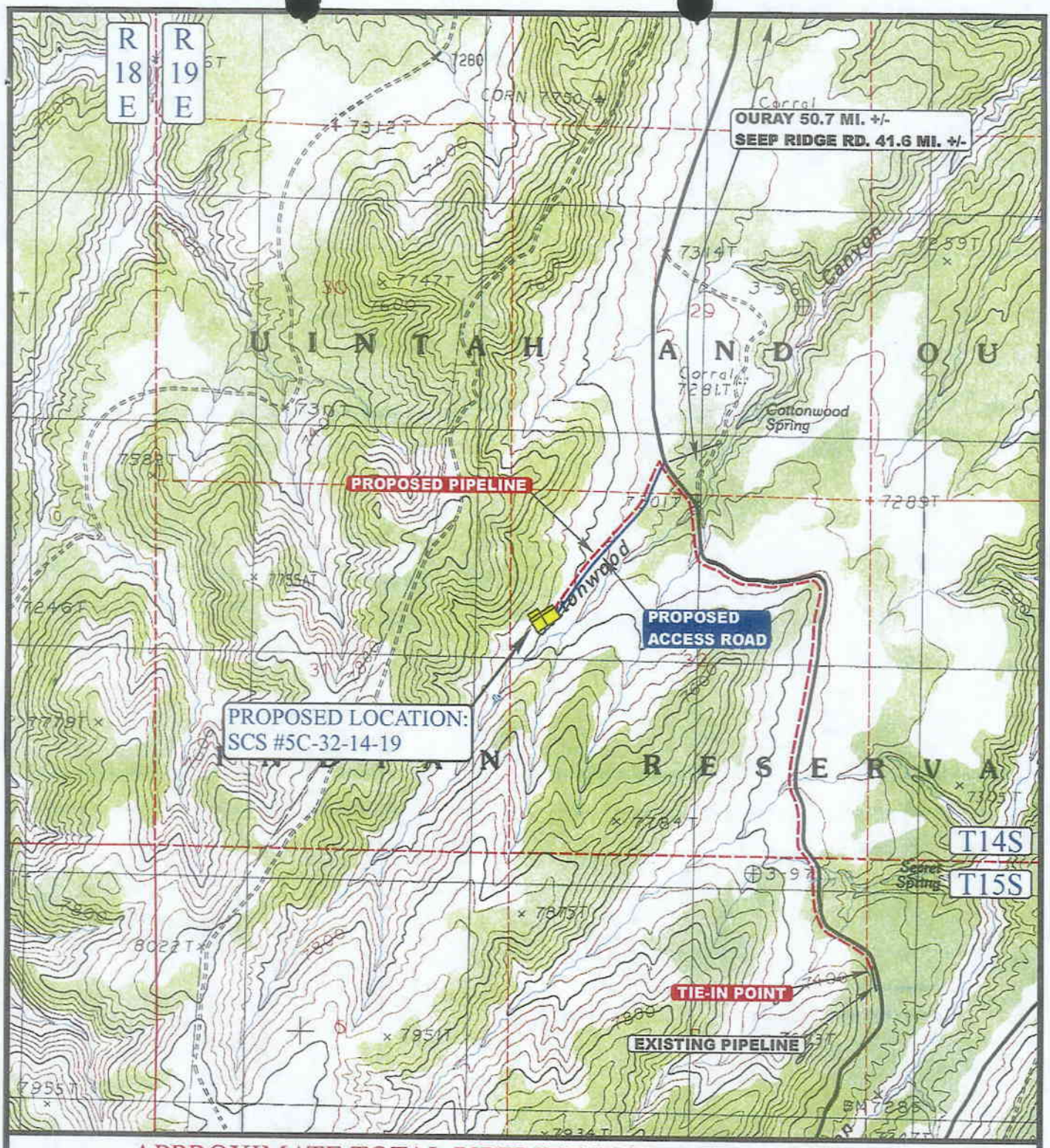
1810' FNL 460' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 22 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: J.L.G. | REVISED: 00-00-00

C TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 12,097' +/-

LEGEND:

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED ACCESS

N

QUESTAR EXPLR. & PROD.

SCS #5C-32-14-19

SECTION 32, T14S, R19E, S.L.B.&M.

1810' FNL 460' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	22 DAY	06 YEAR	D TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 00-00-00		

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/16/2007

API NO. ASSIGNED: 43-047-38963

WELL NAME: SCS 5C-32-14-19

OPERATOR: QUESTAR EXPLORATION & (N5085)

PHONE NUMBER: 303-308-3068

CONTACT: DEBRA STANBERRY

PROPOSED LOCATION:

SWNW 32 140S 190E

SURFACE: 1810 FNL 0460 FWL

BOTTOM: 1810 FNL 0460 FWL

COUNTY: UINTAH

LATITUDE: 39.55820 LONGITUDE: -109.8209

UTM SURF EASTINGS: 601300 NORTHINGS: 4379178

FIELD NAME: WILDCAT (1)

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering	DKD	1/31/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-47973

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WINGT

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 965003033)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 49-2183)

Y RDCC Review (Y/N)
(Date: 02/08/2007)

NH Fee Surf Agreement (Y/N)

NR Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: _____

✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

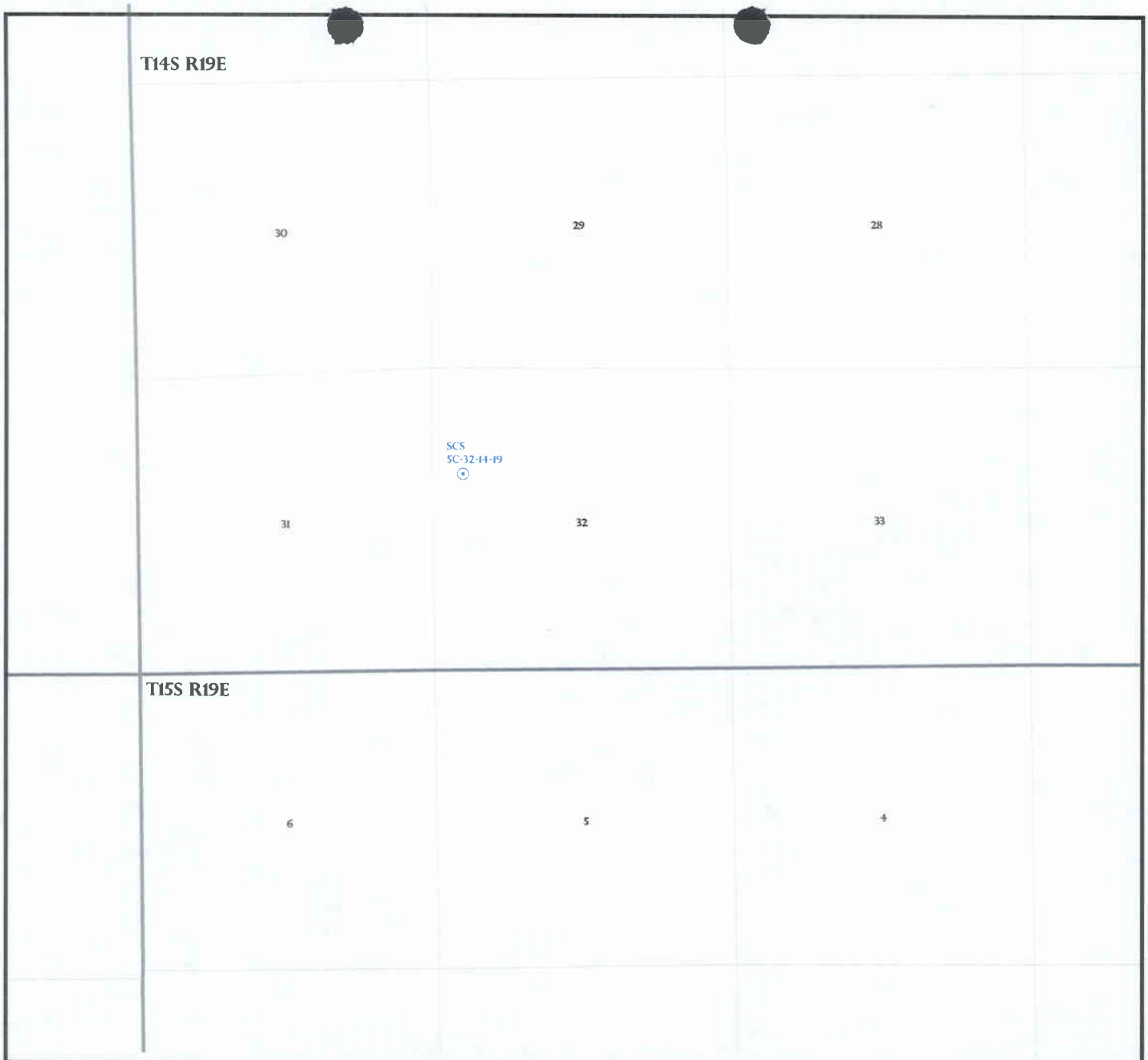
___ R649-3-3. Exception

___ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____

___ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1-Federal Approval
2-Spacing Slip
3-Cement stip #3 (5½" production, 3600' MD)
4-Statement of Basis



OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 32 T.14S R. 19E

FIELD: WILDCAT (001)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON
DATE: 24-JANUARY-2007

STATE ACTIONS
Resource Development Coordinating Committee
Public Lands Policy Coordination Office
5110 State Office Building
SLC, UT 84114
Phone No. 537-9230

1. State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	**2. Approximate date project will start:** Upon Approval or February 7, 2007
3. Title of proposed action: Application for Permit to Drill	
4. Description of Project: Questar Exploration & Production Company proposes to drill the SCS 5C-32-14-19 well (wildcat) on a State lease ML-47973, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
5. Location and detailed map of land affected (site location map required, electronic GIS map preferred) (include UTM coordinates where possible) **(indicate county)** 1810' FNL 460' FWL, SW/4 NW/4, Section 32, Township 14 South, Range 19 East, Uintah County, Utah	
6. Possible significant impacts likely to occur: Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
7. Identify local government affected **a. Has the government been contacted?** No. **b. When?** **c. What was the response?** **d. If no response, how is the local government(s) likely to be impacted?**	
8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable: **a. Has the representative and senator been contacted?** N/A	
9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Uintah Basin Association of Governments	
10. For further information, contact: **Diana Mason** **Phone:** (801) 538-5312	**11. Signature and title of authorized officer** Gil Hunt, Associate Director **Date:** January 24, 2007

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

February 8, 2007

Questar Exploration and Production Company
1571 E 1700 S
Vernal, UT 84078

Re: SCS 5C-32-14-19 Well, 1810' FNL, 460' FWL, SW NW, Sec. 32, T. 14 South, R. 19 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38963.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Questar Exploration and Production Company
Well Name & Number SCS 5C-32-14-19
API Number: 43-047-38963
Lease: ML-47973

Location: SW NW **Sec.** 32 **T.** 14 South **R.** 19 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office
     (801) 733-0983 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office
     (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

8. The lands subject to this application and the associated mineral rights have been transferred to the Ute Indian Tribe as fee lands, and not as part of the reservation lands pursuant to Public Law 106-398, the Floyd D Spence National Defense Authorization Act for Fiscal Year 2001. The Division on behalf of the State of Utah has been directed by Utah Code §§40-6-1 et seq. to exercise jurisdiction over all oil and gas exploration and development on all lands within the State of Utah, in order to promote the greatest economic recovery of oil and gas, and to protect the interests of the general public in the natural resources of the state. **The operator is responsible for obtaining the proper permits from both the State of Utah, Division of Oil Gas and Mining, and from the Ute Indian Tribe for all oil and gas related activities that may be permitted and under the regulations of the State of Utah or the Ute Indian Tribe.**

9. Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3600' MD as indicated in the submitted drilling plan.

10. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47973

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: SCS 5C-32-14-19

2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.

9. API NUMBER: 4304738963

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4331

10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1810' FNL 460' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 32 14S 19E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD EXTENSION
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that the state APD for the above captioned well will expired on February 8, 2008. Questar Exploration and Production Company respectfully requests a one year extension.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 02-07-08

By: Brad Hill

COPY SENT TO OPERATOR
Date: 2-7-2008
Initials: KS

NAME (PLEASE PRINT) Laura Bills TITLE Regulatory Affairs

SIGNATURE Laura Bills DATE 2/4/2008

(This space for State use only)

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DIV. OF OIL, GAS & MINING

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(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-38963
Well Name: SCS 5C-32-14-19
Location: 1810' FNL 460' FWL, SWNW, SEC. 32, T14S, R19E
Company Permit Issued to: Questar Exploration & Production Co.
Date Original Permit Issued: 2/8/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Signature

2/4/2008
Date

Title: REGULATORY AFFAIRS

Representing: Questar Exploration & Production Co.

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FEB 05 2008
DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **QUESTAR EXPLORATION & PRODUCTION CO**

Well Name: **SCS 5C-32-14-19**

Api No: **43-047-38963** Lease Type: **STATE-IND SURF**

Section **32** Township **14S** Range **19E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **RATHOLE**

SPUDDED:

Date **03/17/08**

Time **3:00 PM**

How **DRY**

Drilling will Commence:

Reported by **RAYMOND PALLESEN**

Telephone # **(435) 828-7977**

Date **03/18/08** **Signed** **CHD**

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
ML-47973

6. If Indian, Allottee or Tribe Name
UTE TRIBE

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
Oil Well [ ] Gas Well [X] Other [ ]

8. Well Name and No.
SCS 5C 32 14 19

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION CO.

9. API Well No.
43-047-38963

3. Address and Telephone No.
11002 EAST 17500 SOUTH - VERNAL, UT 84078
Contact: Dahn.Caldwell@questar.com
435-781-4342 Fax 435-781-4357

10. Field and Pool, or Exploratory Area
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1810' FNL, 460' FWL, SWNW, SEC 32-T14S-R19E

11. County or Parish, State
UINTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **SPUD**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

On 3/17/08 – Drilled 90' of 27" conductor hole. Set 90' of 20" conductor pipe. Cmtd w/ Ready Mix.

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MAR 19 2008
DIV. OF OIL, GAS & MINING

3 - BLM, 2- Utah OG&M, 1 – Denver, 1 – file Word file server

14. I hereby certify that the foregoing is true and correct.
Signed **Dahn F. Caldwell** Title **Office Administator II** Date **3/17/08**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47973

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: SCS 5C 32 14 19

2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.

9. API NUMBER: 4304738963

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4342

10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1810' FNL, 460' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 32 14S 19E

STATE: UTAH

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	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
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Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: CONFIDENTIAL STATUS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

REQUESTING THAT THE SCS 5C 32 14 19 WELL TO BE PLACED AS 'CONFIDENTIAL' STATUS BEGINNING AS SOON AS POSSIBLE.

NAME (PLEASE PRINT) DAHN F. CALDWELL TITLE OFFICE ADMINISTRATOR II

SIGNATURE Dahn F Caldwell DATE 4/22/2008

(This space for State use only)

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DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER:	ML-47973
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	UTE TRIBAL
7. UNIT or CA AGREEMENT NAME:	N/A
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: SCS 5C-32-14-19
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: 4304738963
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078 / PHONE NUMBER: (435) 781-4331	10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1810' FNL 460' FWL — COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 32 14S 19E — STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QUESTAR EXPLORATION AND PRODUCTION COMPANY (QEP) PROPOSES TO CHANGE THE THE PRODUCTION CASING FROM 5 1/2" 17.0# P-110 TO 4 1/2" 13.5# P-110 IN ORDER TO REDUCE WELL COST AND TO ALLOW GREATER BURST PRESSURE DURING FRACTURE STIMULATION. IN ADDITION, QEP HAS ELECTED TO CHANGE THE INTERMEDIATE CASING ON THE SUBJECT WELL TO A HIGHER COLLAPSE RATING AND TO ALSO SET THE 9 5/8" CASING AT A GREATER DEPTH TO COVER WEAK WASATCH ZONES.

PLEASE REFERE TO REVISED PLAN AND WELL BORE DIAGRAM.

COPY SENT TO OPERATOR
Date: 5-6-2008
Initials: KS

NAME (PLEASE PRINT) Laura Bills — TITLE Associate Regulatory Affairs Analyst

SIGNATURE Laura Bills — DATE 4/29/2008

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 5/1/08
BY: [signature]

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DIV. OF OIL, GAS & MINING

CONFIDENTIAL

(5/2000) (See Instructions on Reverse Side)

* Intermediate and production cement shall be brought back to depths proposed in thousands (Surface and 5000 respectively)

Pipe Changes for SCS 5C-32-14-19

Questar has elected to change the intermediate casing on the subject well to a higher collapse rating and to also set the 9-5/8" casing at a greater depth to cover weak Wasatch zones.

PRIMARY OBJECTIVE(S):	Cedar Mountain, Entrada, Wingate	SECONDARY:	Dakota, Morrison

PROJECTED FORMATION TOPS:			
FORMATION	SUBSEA	TVD	Est. MD
Green River		surface	
Wasatch	3,748	3705	3705
Mesaverde	1,793	5660	5660
Castlegate	-77	7530	7530
Mancos	-817	8270	8270
Dakota Silt	-4,157	11610	11610
Dakota	-4,247	11700	11700
Cedar Mountain	-4,332	11785	11785
Buckhorn cgl.	-4,472	11925	11925
Morrison	-4,532	11985	11985
Curtis	-5,142	12595	12595
Moab Tongue	-5,202	12655	12655
Entrada	-5,262	12715	12715
Carmel	-5,477	12930	12930
Kayenta	-5,552	13005	13005
Wingate	-5,687	13140	13140
Chinle	-6,077	13530	13530
TOTAL DEPTH/FM:	-6,247	13700	13700

Projected TVD vs MD =

* indicates verification of formation tops with samples

Present design for intermediate hole set at 4,100' md

Hole Size	Casing Size	INTERVAL Top	INTERVAL Bottom	Weight	Grade	Thread	Condition
12-1/4"	9-5/8"	sfc	4,100'	40	J55	LTC	New

Size	Wt., #/ft	Grade	Collapse, Psi.	Burst, Psi.	Jt. Strength	Pipe Body	Wall, In.	I.D., In	Drift, In.
9-5/8"	40	J55	2570	3,950	520,000	630	0.395	8.835	8.679

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125
BURST: 1.10
TENSION: 1.80

Area Fracture Gradient: 0.875 psi/foot
Maximum anticipated mud wt.: 11.5 ppg.
Maximum surface treating pressure: 2000 psi

Replacement Design

Hole Size	Casing Size	INTERVAL Top	INTERVAL Bottom	Weight	Grade	Thread	Condition
12-1/4"	9-5/8"	sfc	5,100'	47	HCP-110	LTC	New

CASING STRENGTHS:				COLLAPSE	BURST	JNT TENSILE (minimum)
9-5/8"	47 lb.	HCP-110	LTC	7,100 psi	9,440 psi	1,213,000 lb.

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125
BURST: 1.10
TENSION: 1.80

Area Fracture Gradient: 0.875 psi/foot
Maximum anticipated mud wt.: 11.5 ppg.
Maximum surface treating pressure: 2000 psi

Cement as follows:

Job Information — Intermediate Casing

SCS 5C-32-14-19

13 3/8" Surface Casing	0 - 500 ft (MD)
Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
12 1/4" Intermediate Openhole	500 - 5100 ft (MD)
Inner Diameter	12.250 in
Job Excess	50 %
9 5/8" Intermediate Casing	0 - 5100 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.681 in
Linear Weight	47 lbm/ft
Casing Grade	P-110
Mud Type	Aerated
Mud Weight	8.40 lbm/gal
BHCT	95 degF

HALLIBURTON

Job Recommendation	*Intermediate Casing*

Fluid Instructions
Fluid 1: Water Spacer
Fresh Water Ahead

Fluid Density:	8.34 lbm/gal
Fluid Volume:	10 bbl

Fluid 2: Reactive Spacer
Halliburton Super Flush

Fluid Density:	9.20 lbm/gal
Fluid Volume:	20 bbl

50 lbm/bbl Halliburton Super Flush (Flush/spacer Additive)

Fluid 3: Water Spacer
Fresh Water Behind

Fluid Density:	8.34 lbm/gal
Fluid Volume:	10 bbl

Fluid 4: Foamed Lead Cement
ELASTISEAL SYSTEM
1.5 % FDP-C760-04 (Foamer)

Fluid Weight:	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.40 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	3600 ft
Volume:	292.91 bbl
Calculated Sacks:	645.99 sks
Proposed Sacks:	650 sks

Fluid 5: Foamed Tail Cement
ELASTISEAL SYSTEM
1.5 % FDP-C760-04 (Foamer)

Fluid Weight:	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.40 Gal/sk
Top of Fluid:	3600 ft
Calculated Fill:	1000 ft
Volume:	83.67 bbl
Calculated Sacks:	239.01 sks
Proposed Sacks:	240 sks

Fluid 6: Unfoamed Shoe Slurry
ELASTISEAL SYSTEM

Fluid Weight:	14.30 lbm/gal
Slurry Yield:	1.47 ft^3/sk
Total Mixing Fluid:	6.40 Gal/sk
Top of Fluid:	4600 ft
Calculated Fill:	500 ft
Volume:	41.84 bbl
Calculated Sacks:	159.90 sks
Proposed Sacks:	160 sks

Fluid 7: Water Spacer
Water Displacement

Fluid Density:	8.34 lbm/gal
Fluid Volume:	373.35 bbl

Fluid 8: Cap Cement
Premium Cement
94 lbm/sk Premium Cement (Cement)
12 % Cal-Seal 60 (Accelerator)
3 % Calcium Chloride (Accelerator)

Fluid Weight:	14.60 lbm/gal
Slurry Yield:	1.55 ft^3/sk
Total Mixing Fluid:	7.35 Gal/sk
Proposed Sacks:	200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Ahead	8.3		10 bbl
2	Spacer	Halliburton Super Flush	9.2		20 bbl
3	Spacer	Fresh Water Behind	8.3		10 bbl
4	Cement	ElastiSeal Foamed Lead	14.3		650 sks
5	Cement	ElastiSeal Foamed Tail	14.3		240 sks
6	Cement	ElastiSeal Unfoamed Tail	14.3		160 sks
7	Spacer	Water Displacement	8.3		373.35 bbl
8	Cement	Cap Cement	14.6		200 sks

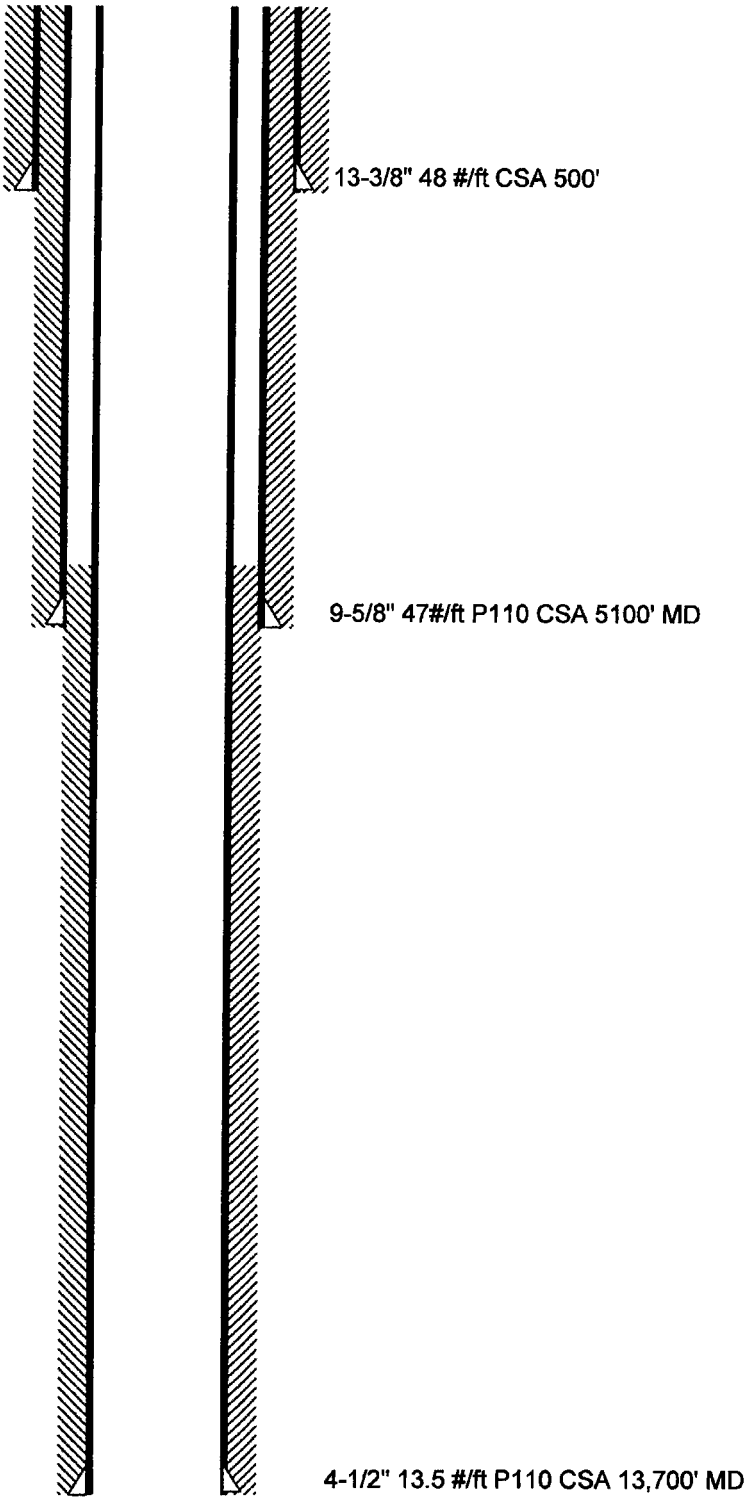
Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	ElastiSeal Foamed Lead	169.02bbl	8.5	8.5	23.3	474.2
5	ElastiSeal Foamed Tail	62.53bbl	11.0	11.0	202.6	274.4

Foam Design Specifications:

Foam Calculation Method: Constant Density
Backpressure: 75 psig
Bottom Hole Circulating Temp: 95 degF
Mud Outlet Temperature: 80 degF

Calculated Gas = 56421.0 scf
Additional Gas = 40000 scf
Total Gas = 96421.0 scf


13-3/8" 48 #/ft CSA 500'
9-5/8" 47#/ft P110 CSA 5100' MD
4-1/2" 13.5 #/ft P110 CSA 13,700' MD

43-047-38963
32 14S 19E

CONFIDENTIAL

QUESTAR

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19
Event Name: DRILLING
Contractor Name: Unit Drilling Co.
Rig Name: UNIT

Start: 4/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Spud Date: 3/21/2008
End: 6/10/2008
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/21/2008	06:00 - 07:00	1.00	LOC	2	DRLCON	DRILL CONDUCTOR HOLE TO 90'
	07:00 - 16:00	9.00	DRL	1	DRLCON	DRILL F/90' TO 540' TD FOR SURFACE CASING
	16:00 - 17:00	1.00	CSG	2	DRLCON	RUN 14 JTS OF 13 3/8" #48, J-55 CASING SET AT 508.41' GL
	17:00 - 18:00	1.00	CMT	2	DRLCON	CEMENT WITH PRO-PETRO, CEMENTED WITH 500 SKS OF 15.8 PPG 1.15 YIELD CEMENT DISPLACED WITH 71.9 BLLS OF WATER 40 BBLS TO SURFACE
4/22/2008	06:00 - 06:00	24.00	LOC	4	RDMO	RIG DOWN TOP DRIVE, FLOOR AND MUD TANKS AND PUMPS
4/23/2008	06:00 - 18:00	12.00	LOC	4	MIRU	RIG DOWN 25% - RIG DOWN TOP DRIVE SERVCE LOOP & TORQUE TUBE, RIG DOWN FLOOR & PREPARE TO LAY DERRICK OVER
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: KUHR TRUCKING CRANES & TRUCKS SCHEDULED ON LOCATION THURSDAY AM
4/24/2008	06:00 - 18:00	12.00	LOC	4	MIRU	50% RIG DOWN - LAY DERRICK OVER, UNSTRING, RIG DOWN MOTOR SHEDS, COMPOUND, DISCONNECT SUITCASES, DRAIN & BLOW EVERYTHING DOWN.
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: CRANES ON LOCATION THIS AFTERNOON, 5 BED & 4 HAUL TRUCKS WILL BE ON LOCATION THIS AM
4/25/2008	06:00 - 18:00	12.00	LOC	4	RDMO	97% RIG DOWN & 55% RIG MOVE (WILL MOVE & SET BOPS, MATTING BOARDS & SUBSTRUCTURE, START RIG UP TOMORROW AM)
	18:00 - 06:00	12.00	OTH		RDMO	WAIT ON DAYLIGHT
	-				RDMO	NOTE: WILL RIG DOWN & MOVE CAMPS SATURDAY, SHOULD HAVE EVERYTHING OFF LOCATION SUNDAY, READY FOR COMPLETIONS MONDAY AM.
4/26/2008	06:00 - 18:00	12.00	LOC	3	MIRU	97% RIG DOWN, 80% RIG MOVE, 15% RIG UP - SET MATTING BOARDS, SUBSTRUCTURE & STACK BOPS (START CHANGING OUT # 3 FLOOR MOTOR)
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: WILL RIG DOWN & MOVE CAMPS SUNDAY AM
4/27/2008	06:00 - 18:00	12.00	LOC	3	MIRU	97% RIG DOWN - 85% RIG MOVE - 75% RIG UP, SET DRAW WORKS, FLOOR MOTORS, MUD PUMPS & BACK YARD. SET DERRICK ON FLOOR.
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: DRILL LINE SPOOL SHAFT & PILLAR BLOCK BEARINGS DAMAGED YESTERDAY 4/25/2008 OFF LOADING ON NEW LOCATION. NEW PILLAR BLOCKS ON LOCATION, NO CONFIRMATION AS YET WHEN SHAFT WILL BE READY.
4/28/2008	06:00 - 18:00	12.00	LOC	3	MIRU	100% RIG DOWN, 100% RIG MOVE, 85% RIG UP - R/D CAMP, MOVE & R/U, FINISH MOVE TUBULARS, GENERAL RIG UP
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: SCS10C LOCATION READY FOR COMPLETIONS, DRILL LINE SPOOL SHAFT ETA LOCATION AFTERNOON 4/28/2008. CRANE RELEASED 1000 AM, TRUCKS RELEASED 1800 HRS. AIR PACKAGE SCHEDULED FOR WEDNESDAY 4/30/2008
4/29/2008	06:00 - 18:00	12.00	LOC	4	MIRU	90% RIGGED UP - GENERAL RIG UP, UNITS MECHANIC ON LOCATION TO RUN OUT # 3 FLOOR MOTOR, FOUND REAR SEAL LEAKING ON TORQUE CONVERTER & OVERHEATING. TORQUE CONVERTER FROM CASPER ETA LOCATION AM 4/29/2008. CRANE SCHEDULED AM 4/29/2008
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: AIR PACKAGE RESCHEDULED ON LOCATION AM 5/1/2008.

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/29/2008	-				MIRU	NEW DRILL LINE SPOOL SHAFT & GIN TRUCK SCHEDULED AM 4/29/2008
4/30/2008	06:00 - 18:00	12.00	LOC	4	MIRU	RIG UP 90%, GENERAL RIG UP, INSPECT BHA, GIN TRUCK & SHAFT ON LOCATION 1100 HRS, CRANE ON LOCATION 1130 HRS, INSTALL NEW SHAFT & PILLAR BLOCK BEARINGS & STRING UP. CHANGE OUT #3 TORQUE CONVERTER & RUN OUT. START INSTALLING INDIVIDUAL CENTRIFUGE PUMP FOR HOPPER.
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: WILL RAISE DERRICK THIS AM
5/1/2008	06:00 - 18:00	12.00	LOC	4	MIRU	95% RIG UP - GENERAL RIG UP, RAISE DERRICK, UNBRIDLE, RIG UP FLOOR & FLOW LINES. CONTINUE FABRICATE & INSTALL HOPPER CENTRIFUCAL PUMP
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: WILL HANG TORQUE TUBE, SERVICE LOOP & P/U TOP DRIVE. WILL BREAK TOUR TODAY.
5/2/2008	06:00 - 01:30	19.50	LOC	4	MIRU	100% RIG UP - PICK UP & HANG TORQUE TUBE, HANG SERVICE LOOP, PICK UP SWIVEL, TOP DRIVE, LOAD PATH INSPECTION, & TORQUE. RIG UP BLOOIE, FLARE & PANIC LINES. SET IN & RIG UP AIR SPECIALTIES AIR PACKAGE. FINISH HOPPER CENTRIFUCAL PUMP INSTALLATION.
	01:30 - 06:00	4.50	OTH		MIRU	START BOP TEST - WASH PIPE LEAKING, CHANGE WASH PIPE & PACKING 2 TIMES
	06:00 -				MIRU	NOTE: NOTIFIED UTAH OIL & GAS OF INTENT TO TEST BOP & SPUD @ 1000 HRS. 5/1/2008
5/3/2008	06:00 - 13:30	7.50	BOP	2	EVAL 2	TEST BOP W/ B&C QUICK TEST. UPPER& LOWER PIPE RAMS, BLIND RAMS, CHOKE & KILL LINE, CHOKE MANIFOLD, VALVES, FLOOR VALVES & DOUBLE BALL TOP DRIVE W/ 250 PSI LOW & 5000 PSI HIGH. TEST ANNULAR W/ 2500 PSI. TEST KELLY HOSE, STANDPIPE & MUD LINES W/ 250 PSI LOW & 3500 PSI HIGH. TEST CASING W/ 1500 PSI FOR 30 MIN.
	13:30 - 17:00	3.50	OTH		EVAL 2	SET LONG WEAR BUSHING (PROBLEM W/ TOP THREAD ON SETTING TOOL & WEAR BUSHING)
	17:00 - 22:00	5.00	OTH		EVAL 2	SET MOUSE HOLE, INSTALL SERVICE LOOP TARP, P/U BAILS & ELEVATORS (LINK TILT NOT FUNCTIONING ON TOP DRIVE) STRAP BHA
	22:00 - 03:00	5.00	TRP	1	EVAL 2	MAKE UP 12-1/4" BIT, TIH PICKING UP BHA. TAG @ 463' (REPAIR LINK TILT)
	03:00 - 06:00	3.00	RIG	2	EVAL 2	TOP DRIVE IN DRILL MODE UNABLE TO ROTATE AT HIGHER RPM (WAIT ON TESCO)
5/4/2008	06:00 - 06:00	24.00	RIG	2	DRLIN1	UNABLE TO ROTATE TOP DRIVE IN DRILL MODE (TESCO & UNIT MECH & SUPT ON LOCATION 0730, CHANGE OUT RELAY SWITCHES, 37 PIN CABLE. NO SUCCESS. ALL LEFT LOCATION 2130 HRS TO MEET TESCO TECH FROM GRAND JUCTION AT OURAY. MET IN OURAY DISCUSSED SITUATION. TWO TESCO TECHS LEFT FOR LOCATION, AS YET NOT ON LOCATION, NO COMMUNICATION.
5/5/2008	06:00 - 13:00	7.00	RIG	2	DRLIN1	TESCO TECH ON LOCATION @ 0630, TROBLESHOOT & REPLACE TOP PANEL BOARD ON POWER UNIT, 2 MODE SWITCHES & 2 RELAY SWITCHES
	13:00 - 13:30	0.50	RIG	1	DRLIN1	RIG SERVICE - ADJUST BRAKES
	13:30 - 17:00	3.50	DRL	4	DRLIN1	DRILL CEMENT, FLOAT EQUIPMENT & CEMENT POCKET F/ 463' TO 560'
	17:00 - 17:30	0.50	SUR	1	DRLIN1	SURVEY @ 540' = .5 INC & 108.15 AZ

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/5/2008	17:30 - 18:00	0.50	OTH		DRLIN1	BLOW HOLE DRY
	18:00 - 19:00	1.00	DRL	1	DRLIN1	DRILL W/ AIR F/ 560' TO 618', WOB 25-28K, RPM 60, 3000 CFM, 80 PSI, DUSTING
	19:00 - 20:00	1.00	RIG	1	DRLIN1	RIG SERVICE - SET TOP DRIVE RPM
	20:00 - 21:00	1.00	DRL	1	DRLIN1	DRILL F/ 618' TO 634', WOB 30-32K, RPM 60, 3000 CFM, 80 PSI
	21:00 - 22:00	1.00	OTH		DRLIN1	PASON ON LOCATION, REPLACE CABLE & RECALIBRATE HOOK LOAD
	22:00 - 04:00	6.00	DRL	1	DRLIN1	DRILL F/ 634' TO 1119', WOB 25-28K, RPM 65, 3000 CFM, 128 PSI
	04:00 - 04:30	0.50	SUR	1	DRLIN1	SURVEY @ 1099' = .3 INC & 54.75 AZ
	04:30 - 06:00	1.50	OTH		DRLIN1	CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/6/2008	06:00 - 14:00	8.00	DRL	1	DRLIN1	DRILL F/ 1119' TO 1581', WOB 25-28K, RPM 65, 3000 CFM, MIST 17 GPM W/ 220 PSI (HOLE STARTED GETTING WET @ 1340', START MISTING)
	14:00 - 14:30	0.50	RIG	1	DRLIN1	RIG SERVICE
	14:30 - 01:00	10.50	DRL	1	DRLIN1	DRILL F/ 1581' TO 2173', WOB 25-33K, RPM 65, 3000 CFM, MIST 18 GPM W/ 250 PSI (MAKING WATER)
	01:00 - 04:00	3.00	OTH		DRLIN1	CONNECTIONS & REGAIN CIRCULATION W/ AIR
	04:00 - 04:30	0.50	SUR	1	DRLIN1	SURVEY @ 2150' = 1.3 INC & 30.55 AZ
	04:30 - 06:00	1.50	DRL	1	DRLIN1	DRILL F/ 2173' TO 2260', WOB 25-28K, RPM 70, 3000 CFM, MIST 18 GPM W/ 250 PSI (MAKING WATER)
5/7/2008	06:00 - 06:30	0.50	DRL	1	DRLIN1	DRILL F/ 2260' TO 2267', WOB 25-28K, RPM 70, CFM 3000, MIST 18 GPM W/ 250 PSI
	06:30 - 07:30	1.00	OTH		DRLIN1	CHANGE ROTATING HEAD RUBBER
	07:30 - 15:00	7.50	DRL	1	DRLIN1	DRILL F/ 2267' TO 2549', WOB 28-32K, RPM 70, CFM 3000, 132 GPM, 475 PSI (DRILLING W/ AIREATED FLUID)
	15:00 - 15:30	0.50	RIG	1	DRLIN1	RIG SERVICE
	15:30 - 03:30	12.00	DRL	1	DRLIN1	DRILL F/ 2549' TO 3137', 31-35K, RPM 65, CFM 3000, 137 GPM, 490 PSI
	03:30 - 06:00	2.50			DRLIN1	CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/8/2008	06:00 - 07:30	1.50	DRL	1	DRLIN1	DRILL F/ 3,137' TO 3,200', (63') AROP 42 FPH, WOB 31-32K, RPM 70, CFM 3000, MIST 18 GPM W/ 490 PSI, PUMP 10 BBL SWEEP
	07:30 - 08:00	0.50	SUR	1	DRLIN1	SURVEY @ 3,181' = 1.0 INC & 56.75 AZ
	08:00 - 14:30	6.50	DRL	1	DRLIN1	DRILL F/ 3,200' TO 3,386', (186') AROP 28.61FPH, WOB 31-35K, RPM 70, CFM 3000, MIST 18 GPM W/ 493 PSI, PUMP 10 BBL SWEEP
	14:30 - 15:00	0.50	RIG	1	DRLIN1	SERVICE AND LUBRICATE RIG
	15:00 - 04:30	13.50	DRL	1	DRLIN1	DRILL F/ 3,386' TO 3,779', (393') AROP 30.2 FPH, WOB 35-39K, RPM 70, CFM 3000, MIST 18 GPM W/ 615 PSI, PUMP 20 BBL SWEEP & 10 BBL SWEEP
	04:30 - 06:00	1.50	OTH		DRLIN1	CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/9/2008	06:00 - 15:30	9.50	DRL	1	DRLIN1	AIR DRILL 12 1/4" HOLE F/ 3,779' T/4,043' (264') AROP 27.78 FPH, WOB 39K, ROTORY 85 RPM, 106 SPM, 285.5 GPM.
	15:30 - 16:00	0.50	RIG	1	DRLIN1	SERVICE AND LUBRICATE RIG
	16:00 - 03:30	11.50	DRL	1	DRLIN1	AIR DRILL 12 1/4" HOLE F/ 4,043' T/4,395' (352') AROP 30.6 FPH, WOB 39K, ROTORY 85 RPM, 106 SPM, 285.5 GPM. CHECK CROWN O MATIC. NOTE: WORKING ON #2 PUMP GEAR-END
	03:30 - 06:00	2.50	OTH		DRLIN1	CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/10/2008	06:00 - 14:30	8.50	DRL	1	DRLIN1	AIR DRILL 12 1/4" HOLE F/ 4,395' T/4,601' (206') AROP 24.2 FPH, WOB 39K, ROTORY 76 RPM, 109 SPM, 285.5 GPM.
	14:30 - 15:30	1.00	RIG	1	DRLIN1	LUBRICATE RIG AND TOP DRIVE
	15:30 - 03:30	12.00	DRL	1	DRLIN1	AIR DRILL 12 1/4" HOLE F/ 4,601' T/4,911' (310') AROP 25.8 FPH, WOB 39/42K, ROTORY 75/85 RPM, 109 SPM, 285.5 GPM. . NOTE: WORKING ON #2 PUMP GEAR-END
	03:30 - 06:00	2.50	OTH		DRLIN1	CONNECTIONS & REGAIN CIRCULATION W/ AIR

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/11/2008	06:00 - 19:30	13.50	DRL	1	DRLIN1	AIR DRILL W/ WATER 12 1/4" HOLE F/ 4,911' T/5,067' (156') AROP 11.5 FPH, WOB 39/42K, ROTORY 75/85 RPM, #1 83 SPM, 223 GPM, #2 81 SPM, 218 GPM.
	19:30 - 20:30	1.00	RIG	2	DRLIN1	TROUBLE W/ TOP DRIVE
	20:30 - 22:00	1.50	DRL	1	DRLIN1	AIR DRILL W/WATER 12 1/4" HOLE F/ 5,067' T/5,099' (32') AROP 21.3 FPH, WOB 39/42K, ROTORY 75/85 RPM, #1 83 SPM, 223 GPM, #2 81 SPM, 218 GPM.
	22:00 - 23:00	1.00	OTH		DRLIN1	CONNECTIONS & REGAIN CIRCULATION W/ AIR
	23:00 - 02:00	3.00	CIRC	1	DRLIN1	PUMP 20 BBL BOTTOMS UP SWEEP, SHUT DOWN AIR AND CIRCULATE 1445 BBLS OF H2O BACK INTO FORMATION.
	02:00 - 05:00	3.00	TRP	14	DRLIN1	SHORT TRIP TO CASING SHOE, CONDITION HOLE FOR 9 5/8" INTERMEDIATE CASING. HOLE CONDITION GOOD W/ 10 DRAG ON BTM. CIRCULATE ACROSS WELL HEAD WHILE TRIPPING.
	05:00 - 06:00	1.00	CIRC	1	DRLIN1	PUMP 20 BBL BOTTOMS UP SWEEP W/ AIR & WATER. CONDITION HOLE FOR CASING.
5/12/2008	06:00 - 08:00	2.00	TRP	14	DRLIN1	SHORT TRIP FROM 5,099 TO SURFACE CASING SHOE. HOLE IN GOOD CONDITION.
	08:00 - 09:00	1.00	CIRC	1	DRLIN1	PUMP SWEEP, CIRCULATE BOTTOMS UP AND CONDITION HOLE.
	09:00 - 14:00	5.00	TRP	2	DRLIN1	TOH W/ 12 1/4" BIT, L/D 8" DC AND MONEL,,
	14:00 - 14:30	0.50	OTH		DRLIN1	PULL WEAR BUSHING
	14:30 - 16:00	1.50	CSG	1	DRLIN1	RIG UP CASING CREW
	16:00 - 23:00	7.00	CSG	2	DRLIN1	RUB 118 JTS OF 9 5/8", HCP-110, LT&C, #47 CASING WITH FLOAT COLLAR AND FLOAT SHOE WITH ONE PUP JOINT ON LANDING JOINT LANDED AT 5077.6' KB
	23:00 - 00:30	1.50	CIRC	1	DRLIN1	CIRCULATE CASING
	00:30 - 03:00	2.50	OTH		DRLIN1	PACK OFF WELLHEAD
	03:00 - 04:00	1.00	CMT	1	DRLIN1	HEAD UP HALLIBURTON
	04:00 - 06:00	2.00	CMT	2	DRLIN1	HELD SSAFETY MEETING AND CEMENT WITH HALLIBURTON
5/13/2008	06:00 - 08:00	2.00	CMT	2	CSGIN1	FINISH CEMENTING 9 5/8" INTERMEDIATE CASING LANDED @ 5077.67.
	08:00 - 09:00	1.00	WOT	1	CSGIN1	RD HALLIBURTON N2 CEMENTING EQUIPMENT.
	09:00 - 10:00	1.00	WOT	1	CSGIN1	SERVICE & LUBRICATE RIG & TOP DRIVE.
	10:00 - 11:30	1.50	WOT	1	CSGIN1	LAY DOWN LANDING JT, INSTALL CAMERON WEAR BUSHING AND L/D FRANK'S BAILS.
	11:30 - 14:30	3.00	WOT	1	CSGIN1	W.O.C., REPLACE TOP DRIVE ACTUATOR ON DOUBLE VALVE, MUD UP SYSTEM, CHANGE ELEVATORS.
	14:30 - 15:30	1.00	WOT	1	DRLPRO	PU 8.5" BIT & BHA.
	15:30 - 19:00	3.50	WOT	1	DRLPRO	TIH W/ 8.5" BIT & BHA.
	19:00 - 20:00	1.00	WOT	1	DRLPRO	FILL D/P AND DRILL OUT 9 5/8" FLOAT COLLAR AND SHOE TRACK.
	20:00 - 20:30	0.50	EQT	1	DRLPRO	PRESSURE TEST CASING TO 1,500 PSI FOR 10 MIN. HELD OKAY.
	20:30 - 21:00	0.50	DRL	4	DRLPRO	DRILL OUT 9 5/8", TAG CMT TOP @ 4,984' CASING SHOE @ 5,077' AND CEMENT TO 5,099'.
	21:00 - 21:30	0.50	EQT	2	DRLPRO	FIT TEST FORMATION TO 11.5 PPG, PRESSURE 8.7 PPG MUD TO 740 PSI. HELD OKAY FOR 10 MIN.
	21:30 - 22:00	0.50	DRL	1	DRLPRO	DRILL F/ 5,099' TO 5,107' (8') AROP 16 FPH, WOB 15K, SPM 148, 398 GMP, MOTOR 60 RPM, TOP DRIVE 45 RPM, BIT 104 RPM.
	22:00 - 22:30	0.50	SUR	1	DRLPRO	CIRCULATE 15 MINUTES, RUN SURVEY ON WIRELINE, SURVEY SLICK LINE PARTED 100' FROM SURFACE.
	22:30 - 23:30	1.00	CIRC	1	DRLPRO	CIRCULATE, BUILD & PUMP 15 BBLS 1.5 PPG DRY PILL.
	23:30 - 03:00	3.50	TRP	13	DRLPRO	TOOH TO RECOVER SURVEY TOOL. FOUND SLICK LINE PARTED AT KNOT INSIDE OF ROPE SOCKET. SURVEY @ 5,068', 0.3 INC, 318.95 AZM.
	03:00 - 06:00	3.00	TRP	13	DRLPRO	TIH W/ 8.5" BHA.

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/14/2008	06:00 - 07:00	1.00	TRP	2	DRLPRO	FINISH TIH.
	07:00 - 13:00	6.00	DRL	1	DRLPRO	DRILL 8.5" HOLE F/5,107 T/5,292 (185') AROP 30.8 FPH, WOB 18K, SPM 170, 442 GPM, MOTOR RPM 66, ROTORY 40 RPM, BIT 106 RPM.
	13:00 - 13:30	0.50	RIG	1	DRLPRO	SERVICE & LUBRICATE RIG.
	13:30 - 05:00	15.50			DRLPRO	DRILL 8.5" HOLE F/5,292' T/5,595 (313') AROP 20.19 FPH, WOB 18K, SPM 170, 442 GPM, MOTOR RPM 66, ROTORY 40 RPM, BIT 106 RPM. FORMATION CHANGE W/ VERY FINE SAND @ 5,569'.
	05:00 - 06:00	1.00	OTH		DRLPRO	MAKE CONNECTIONS ARE RESTART FROM OVER TORQUE.
5/15/2008	06:00 - 08:00	2.00	DRL	1	DRLPRO	DRILL 8.5" F/ 5,595' T/5,602' (7') AROP 3.5 FPH, WOB 23 SPM #1 86, SPM # 2 83, 439.7 GPM, MOTOR RPM 66, ROTORY 55 RPM, BIT 121 RPM.
	08:00 - 08:30	0.50	CIRC	1	DRLPRO	MIX AND PUMP 15 BBL 1.5 PPG DRY PILL.
	08:30 - 11:30	3.00	TRP	10	DRLPRO	TOOH, FOUND PDC BIT W/ EXTREME STICK SLIP CONDTION ON OUT SIDE SHOULDER.
	11:30 - 12:00	0.50	RIG	1	DRLPRO	ROUTINE RIG SERVICE.
	12:00 - 15:00	3.00	TRP	10	DRLPRO	TIH W/ NEW BIT.
	15:00 - 23:30	8.50	DRL	1	DRLPRO	DRILL F/5,602' T/5,890', (288') AROP 33.88 FPH, WOB 14.5K, #1 SPM 87, #2 SPM 84, RATE 445 GMP, MOTOR 66 RPM, TOP DRIVE 20 RPM, BIT 86.7 RPM. DIFF/ PRESSURE 31 / 81 PSI, TORQUE 500 / 600.
	23:30 - 06:00	6.50	OTH		DRLPRO	NOTE: WHILE BACK-REAMING (20 RPM DRILL PIPE ROTORY) PRIOR TO MAKING CONNECTION PULLED UP BACK REAMING 62' AND THE STRING TORQUED UP THEN RELEASED, TOP DRIVE ALLOWED HIGH SPEED SPIN UNSCREWING AND DROPPING THE STRING 62' TO BOTTOM. TOP DRIVE WT IS 28 K, STRING WT 38K, ESTIMATED PIPE HANGING ABOVE PART 510'. DROPPPING 5,379' OF DRILL PIPE, PICKED UP A SINGLE AND WENT DOWN TAGGED W/ PUMP #1 @ 72 SPM. SCREWED BACK INTO BOX AND PICKED UP STRING PULLING 10K OVER. LOOKS LIKE THERE MAY BE SOME BENT DP. CALLED FRANK'S L/D AND CURTIS INSPECTION. SET PIPE RACKS, RACK AND TALLEY 135 JTS OF 4 1/5" DP. PREPARE TO TOOH AND L/D, INSPECT D/P.
5/16/2008	06:00 - 06:30	0.50	TRP	1	DRLPRO	RU FRANKS L/D EQUIPMENT.
	06:30 - 07:00	0.50	CIRC	1	DRLPRO	MIX AND PUMP DRY PIPE PILL / 20 BBLS 1.5 PPG.
	07:00 - 11:30	4.50	TRP	3	DRLPRO	TOOH L/D DRILL PIPE FOR INSPECTION.
	11:30 - 19:00	7.50	ISP	1	DRLPRO	INSPECT BHA / L/D 28 JT OF BENT 4 1/2" HWDP (QUAIL RENTAL)
	19:00 - 00:30	5.50	TRP	2	DRLPRO	TIH P/U 4 1/2 " 138 JTS DP.
	00:30 - 02:30	2.00	TRP	2	DRLPRO	TOOH AND STAND BACK DP.
	02:30 - 03:00	0.50	TRP	1	DRLPRO	PU NEW 8.5" BIT, MOTOR .15 REV/GAL.
	03:00 - 06:00	3.00	TRP	2	DRLPRO	TIH W/ NEW BHA AND DRILL PIPE.
5/17/2008	06:00 - 08:00	2.00	TRP	2	DRLPRO	TIH, FILLING DP AT THE SHOE.
	08:00 - 09:00	1.00	RIG	1	DRLPRO	LUBRICATE RIG AND TOP DRIVE.
	09:00 - 10:00	1.00	RIG	2	DRLPRO	WORK ON TOP DRIVE; WOULD NOT ROTATE.
	10:00 - 11:00	1.00	TRP	2	DRLPRO	TIH TO 5,350'.
	11:00 - 19:30	8.50	REAM	1	DRLPRO	WASH & REAM POPPING SHELL F/ 5,350' T/ 5,890 (540'). PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
	19:30 - 21:30	2.00	DRL	1	DRLPRO	DRILL F/ 5,890' T/ 5,912' (22') AROP 11 FPM, WOB 15, PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
	21:30 - 22:00	0.50	RIG	2	DRLPRO	TOP DRIVE SAVER SUB WAS OVER TORQUE BY THE TOP DRIVE HYDRAULICS. UNABLE TO CONTROL TOP DRIVE TORQUE.

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/17/2008	22:00 - 06:00	8.00	DRL	1	DRLPRO	DRILL F/ 5,912' T/ 6,210' (298') AROP 37.25 FPM, WOB 15, PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
5/18/2008	06:00 - 10:00	4.00	DRL	1	DRLPRO	DRILL F/ 6,210' T/ 6,354' (144') AROP 36 FPM, WOB 15, PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
	10:00 - 10:30	0.50	RIG	1	DRLPRO	ROUTINE RIG SERVICE
	10:30 - 03:00	16.50	DRL	1	DRLPRO	DRILL F/ 6,354' T/ 6,839' (485') AROP 29.39 FPM, WOB 15/20, PP 1,853, SPM #1 85, SPM #2 82, 441 GPM, MOTOR 66 RPM, ROTORY 25 RPM, BIT 91 RPM.
	03:00 - 06:00	3.00	DRL	1	DRLPRO	DRILL F/ 6,839' T/ 6,896' (57') AROP 19 FPM, WOB 23, PP 1,928, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
5/19/2008	06:00 - 08:00	2.00	DRL	1	DRLPRO	DRILL F/ 6,896' T/ 6,914' (18') AROP 9 FPM, WOB 23, PP 1,928, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
	08:00 - 08:30	0.50	SUR	1	DRLPRO	DROP SURVEY AND PUMP DRY PILL
	08:30 - 12:00	3.50	TRP	2	DRLPRO	TOOH FOR ROP BIT #4 CHANGE.
	12:00 - 12:30	0.50	TRP	1	DRLPRO	RETRIEVE SURVEY TOOL, CHANGE OUT BIT AND FUNCTION TEST BOPE.
	12:30 - 15:00	2.50	TRP	10	DRLPRO	TIH W/ NEW 8.5" BIT #5.
	15:00 - 16:00	1.00	RIG	6	DRLPRO	SLIP AND CUT DRILL LINE.
	16:00 - 17:30	1.50	TRP	10	DRLPRO	FINISH TIH WASHING DOWN LAST STAND.
	17:30 - 18:00	0.50	RIG	1	DRLPRO	ROUTINE RIG SERVICE & LUBRICATION.
	18:00 - 06:00	12.00	DRL	1	DRLPRO	DRILL F/ 6,914' T/ 7,163' (249') AROP 20.75 FPH, WOB 22, PP 1,981, SPM #1 85, SPM #2 83, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
5/20/2008	06:00 - 16:00	10.00	DRL	1	DRLPRO	DRILL F/ 7,163' T/ 7,458' (295') AROP 29.5 FPH, WOB 22, PP 1,981, SPM #1 85, SPM #2 83, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
	16:00 - 16:30	0.50	RIG	1	DRLPRO	CIRC. DURING RIG SERVCE & LUBRICATE.
	16:30 - 17:00	0.50	SUR	1	DRLPRO	DROP SURVEY, TAKEN @ 7,406', INC 1.5, AZM 109.25 (CORRECTED)
	17:00 - 17:30	0.50	CIRC	1	DRLPRO	CIRC. DRY PILL, 25 BBLS OF 1.5 PPG.
	17:30 - 22:30	5.00	TRP	10	DRLPRO	TOOH W/ BIT #5, L/D HUNTING .15 REV/GAL MOTOR AND 2-IBS.
	22:30 - 23:00	0.50	TRP	1	DRLPRO	PU BIT #6, HUNTING .13 REV/GAL MOTOR.
	23:00 - 03:00	4.00	TRP	2	DRLPRO	TIH W/ 8.5" HYCALOG DSR811M-A-18 W/ 4-12'S & 4-9'S, TFA .691, HUNTING MOTOR SN# 2080.
	03:00 - 03:30	0.50	REAM	1	DRLPRO	SAFETY WASH & REAM
	03:30 - 06:00	2.50	DRL	1	DRLPRO	DRILL F/ 7,458' T/ 7,492' (34') AROP 17 FPH, WOB 13.5, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 19 RPM, BIT 75 RPM.
5/21/2008	06:00 - 10:30	4.50	DRL	1	DRLPRO	DRILL F/ 7,492' T/ 7,547 (55') AROP 12.2 FPH, WOB 19.5/25, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 10 RPM, BIT 66 RPM.
	10:30 - 11:00	0.50	RIG	2	DRLPRO	CHANGE OUT PASON FLOW SENSOR.
	11:00 - 12:00	1.00	DRL	1	DRLPRO	DRILL F/ 7,547' T/ 7,553 (6') AROP 6 FPH, WOB 19.5/23, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 10 RPM, BIT 66 RPM.
	12:00 - 12:30	0.50	RIG	1	DRLPRO	RIG SERVICE & LUBRICATE.
	12:30 - 17:30	5.00	DRL	1	DRLPRO	DRILL F/ 7,553' T/ 7,576 (23) AROP 4.6 FPH, WOB 19.5/25, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 10 RPM, BIT 66 RPM.

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/21/2008	17:30 - 18:30	1.00	CIRC	1	DRLPRO	CONDITION MUD AND CIRCULATE BOTTOMS UP. MIX 1.8 PPG DRY PILL AND DROP SURVEY.
	18:30 - 23:00	4.50	TRP	10	DRLPRO	TOOH DUE TO LOW ROP.
	23:00 - 01:00	2.00	TRP	1	DRLPRO	L/D BIT AND MOTOR (FLOW CHECKED AT SURFACE; OKAY). P/U SMITH 8.5" K703NBPX IMPREG W/ BAKER INTEQ 6.5" MOTOR W/ .89 REV/GAL. (FLOW CHECK MOTOR AT SURFACE; OKAY)
	01:00 - 04:30	3.50	TRP	10	DRLPRO	TIH / IMPREG AND HIGH SPEED MOTOR.
	04:30 - 06:00	1.50	REAM	1	DRLPRO	WASH AND REAM FROM 7,519 TO 7,550'
5/22/2008	06:00 - 07:00	1.00	REAM	1	DRLPRO	WASH & REAM F/ 7550' TO 7576' (HARD REAMING F/ 7498' TO 7505')
	07:00 - 05:30	22.50	DRL	1	DRLPRO	DRILL 8-1/2" HOLE W/ IMPREG BIT F/ 7576' TO 7739', WOB 26K, RPM 535, PS 200, PP 2400 (.89 MM @ 527 GPM)
	05:30 - 06:00	0.50	OTH		DRLPRO	CONNECTIONS & SPR
5/23/2008	06:00 - 08:00	2.00	CIRC	1	DRLPRO	PUMP SWEEP, MIX DRY SLUG (VALVE ON PILL TANK LEAKING) DROP SURVEY & PUMP DRY SLUG
	08:00 - 15:00	7.00	TRP	10	DRLPRO	TOOH W/ BIT # 7 (MIX & PUMP SECOND DRY SLUG)
	15:00 - 17:00	2.00	TRP	1	DRLPRO	RETRIEVE SURVEY, CHANGE OUT BITS & MUD MOTOR, P/U STABILIZERS
	17:00 - 18:30	1.50	OTH		DRLPRO	BIT # 8 HYCALOG DSX713MB10 WOULD NOT PASS WEAR BUSHING, PICK UP & CHANGE BITS (8-3/4" GAUGE RING WOULD NOT PASS ON BIT)
	18:30 - 22:30	4.00	TRP	10	DRLPRO	SURFACE TEST MUD MOTOR & TIH W/ BIT # 8 (DSX811MA25)
	22:30 - 23:00	0.50	REAM	1	DRLPRO	SAFETY WASH & REAM LAST 80' TO 7739'
	23:00 - 05:30	6.50	DRL	1	DRLPRO	DRILL 8-1/2" HOLE W/ PDC & .24 MUD MOTOR F/ 7739' TO 7939', WOB 18K, ROT 10, RPM 100, PS 140, PP 1650
	05:30 - 06:00	0.50	OTH		DRLPRO	CONNECTIONS & SPR
5/24/2008	06:00 - 11:00	5.00	DRL	1	DRLPRO	DRILL F/ 7939' TO 8125', WOB 18K, ROT 10, RPM 100, PS 140, PP 1650
	11:00 - 12:00	1.00	RIG	1	DRLPRO	RIG & TOP DRIVE SERVICE
	12:00 - 12:30	0.50	RIG	2	DRLPRO	CHANGE SWAB # 1 MUD PUMP
	12:30 - 03:30	15.00	DRL	1	DRLPRO	DRILL F/ 8125' TO 8694', WOB 15-18K, ROT 10, RPM 105, PS 150, PP 1850
	03:30 - 06:00	2.50	OTH		DRLPRO	CONNECTIONS & SPR
5/25/2008	06:00 - 07:30	1.50	DRL	1	DRLPRO	DRILL F/ 8694' TO 8779', WOB 17K, ROT 10, RPM 105, PS 150, PP 1850
	07:30 - 08:30	1.00	SUR	1	DRLPRO	CIRCULATE & WIRELINE SURVEY @ 8735' = .70 INC & 102.35 AZ
	08:30 - 12:00	3.50	DRL	1	DRLPRO	DRILL F/ 8779' TO 8964', WOB 18K, ROT 15, RPM 110, PS 150, PP 1900
	12:00 - 12:30	0.50	RIG	1	DRLPRO	RIG SERVICE
	12:30 - 04:00	15.50	DRL	1	DRLPRO	DRILL F/ 8964' TO 9524', WOB 18-20K, ROT 25, RPM 125, PS 160, PP 2050
	04:00 - 06:00	2.00	OTH		DRLPRO	CONNECTIONS & SPR
5/26/2008	06:00 - 09:00	3.00	DRL	1	DRLPRO	DRILL F/ 9524' TO 9618', WOB 18-24K, ROT 25, RPM 125, PS 160, PP 2050
	09:00 - 10:00	1.00	SUR	1	DRLPRO	CIRCULATE, DROP SURVEY & PUMP DRY SLUG
	10:00 - 13:00	3.00	TRP	10	DRLPRO	TOOH TO SHOE
	13:00 - 14:30	1.50	OTH		DRLPRO	ATTEMPT TO LEVEL DERRICK (LEANING TO V-DOOR SIDE)
	14:30 - 17:00	2.50	TRP	10	DRLPRO	TOOH W/ BIT # 8
	17:00 - 18:00	1.00	OTH		DRLPRO	RETRIEVE SURVEY & CHANGE OUT BITS
	18:00 - 22:30	4.50	TRP	10	DRLPRO	SURFACE TEST MUD MOTOR & TIH W/ BIT # 9
	22:30 - 23:00	0.50	REAM	1	DRLPRO	WASH & REAM F/ 9524' TO 9618' (6' FILL)
	23:00 - 05:00	6.00	DRL	1	DRLPRO	DRILL 8-1/2" HOLE F/ 9618' TO 9932', WOB 10-12K, ROT 20, RPM 115, PS 150, PP 2200

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/26/2008	05:00 - 06:00	1.00	OTH		DRLPRO	CONNECTIONS & SPR
5/27/2008	06:00 - 13:00	7.00	DRL	1	DRLPRO	DRILL F/ 9932' TO 10271', WOB 11-14K, ROT 20, RPM 115, PS 150, PP 2250
	13:00 - 13:30	0.50	RIG	1	DRLPRO	RIG SERVICE
	13:30 - 02:30	13.00	DRL	1	DRLPRO	DRILL F/ 10271' TO 11021', WOB 10-11K, ROT 25, RPM 120, PS 150, PP 2450
	02:30 - 05:00	2.50	OTH		DRLPRO	CONNECTIONS & SPR
	05:00 - 06:00	1.00	SUR	1	DRLPRO	WIRELINE SURVEY @ 10977' = 1.0 INC & 139.35 AZ
5/28/2008	06:00 - 12:30	6.50	DRL	1	DRLPRO	DRILL F/ 11021' TO 11302', WOB 10-13K, ROT 25, RPM 120, PS 150, PP 2400
	12:30 - 13:00	0.50	RIG	1	DRLPRO	RIG SERVICE
	13:00 - 14:30	1.50	DRL	1	DRLPRO	DRILL F/ 11302' TO 11372', WOB 12-14K, ROT 25 RPM 120, PS 150, PP 2400
	14:30 - 15:00	0.50	RIG	2	DRLPRO	REPAIR WILDCAT AUTO DRILLER
	15:00 - 20:00	5.00	DRL	1	DRLPRO	DRILL F/ 11372' TO 11583', WOB 10-12K, ROT 25, RPM 120, PS 150, PP 2450
	20:00 - 20:30	0.50	RIG	2	DRLPRO	REPLACE ROTATING HEAD RUBBER
	20:30 - 04:30	8.00	DRL	1	DRLPRO	DRILL F/ 11583' TO 11861', WOB 18K, ROT 30, RPM 130, PS 160, PP 2550
	04:30 - 06:00	1.50	OTH		DRLPRO	CONNECTIONS & SPR
5/29/2008	06:00 - 07:30	1.50	DRL	1	DRLPRO	DRILL F/ 11861' TO 11864', WOB 10-28K, ROT 25, RPM 130, PS 160, PP 2500
	07:30 - 08:30	1.00	CIRC	1	DRLPRO	CIRCULATE & MIX DRY SLUG
	08:30 - 09:00	0.50	SUR	1	DRLPRO	DROP SURVEY & PUMP DRY SLUG
	09:00 - 10:00	1.00	TRP	10	DRLPRO	TOOH 11 STANDS
	10:00 - 11:00	1.00	OTH		DRLPRO	PULL ROTATING HEAD RUBBER (DRILL STRING STILL LAYING AGAINST V-DOOR SIDE BUSHINGS) RE-INSTALL RUBBER
	11:00 - 16:30	5.50	TRP	10	DRLPRO	TOOH W/ BIT # 9 (LAY DOWN 1 JT BENT DP)
	16:30 - 18:30	2.00	OTH		DRLPRO	RETRIEVE SURVEY (MIS-RUN) CHANGE OUT BIT & MUD MOTOR, INSPECT WEAR BUSHING & SURFACE TEST MUD MOTOR
	18:30 - 21:30	3.00	TRP	10	DRLPRO	TIH W/ BIT # 10 TO SHOE
	21:30 - 23:00	1.50	RIG	6	DRLPRO	SLIP & CUT DRILL LINE
	23:00 - 03:00	4.00	TRP	10	DRLPRO	TIH TO 11770'
	03:00 - 03:30	0.50	REAM	1	DRLPRO	SAFETY WASH & REAM 1 STAND TO 11864'
	03:30 - 06:00	2.50	DRL	1	DRLPRO	DRILL 8-1/2" HOLE W/ PDC BIT & .24 MUD MOTOR F/ 11864' TO 11940', WOB 17K, ROT 20, RPM 120, PS 160, PP 2200
5/30/2008	06:00 - 12:00	6.00	DRL	1	DRLPRO	DRILL F/ 11940' TO 12034', WOB 13-20K, ROT 15, RPM 120, PS 160, PP 2200
	12:00 - 12:30	0.50	CIRC	1	DRLPRO	MIX & PUMP DRY SLUG
	12:30 - 19:30	7.00	TRP	10	DRLPRO	TOOH W/ BIT # 10
	19:30 - 21:00	1.50	OTH		DRLPRO	CHANGE OUT BITS, FLUSH & CHANGE MUD MOTOR, SURFACE TEST MOTOR
	21:00 - 02:30	5.50	TRP	10	DRLPRO	TRIP IN HOLE W/ IMPREG BIT & BAKER HUGHES .89 MUD MOTOR
	02:30 - 04:30	2.00	REAM	1	DRLPRO	SAFETY WASH & REAM LAST STAND
	04:30 - 06:00	1.50	DRL	1	DRLPRO	DRILL 8-1/2" HOLE W/ IMPREG BIT & .89 MUD MOTOR F/ 12034' TO 12040', WOB 12, ROT 50, RPM 520, PS 200, PP 2900
5/31/2008	06:00 - 17:00	11.00	DRL	1	DRLPRO	DRILL F/ 12040' TO 12128', WOB 26, ROT 70, RPM 540, PS 200, PP 2950 (#3 FLOOR MOTOR OVER HEATING)
	17:00 - 17:30	0.50	DRL	1	DRLPRO	RIG SERVICE
	17:30 - 03:30	10.00	DRL	1	DRLPRO	DRILL F/ 12128' TO 12210', WOB 36K, ROT 75, RPM 545, PS 200, PP 3050 (TOP DRIVE NOT MAINTAINING CONSTANT RPM 75-60)
	03:30 - 04:00	0.50	RIG	2	DRLPRO	REPLACE NAIL POPOFF #1 PUMP (NAILS RATED @ 3200 OR 4100 PSI, LINERS RATED @ 3420 PSI)

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/31/2008	04:00 - 05:00	1.00	DRL	1	DRLPRO	DRILL F/ 12210 TO 12230', WOB 36K, ROT 60, RPM 530, PS 200, PP 3050
	05:00 - 06:00	1.00	DRL	1	DRLPRO	CONNECTIONS & SPR
	-		OTH		DRLPRO	NOTE: DUSTIN DOUCET W/ UTAH OIL & GAS GAVE VERBAL EXTENSION FOR BOP TEST
6/1/2008	06:00 - 12:00	6.00	DRL	1	DRLPRO	DRILL F/ 12230' TO 12271' WOB 30K, ROT 65, RPM 535, PS 200, PP 2850
	12:00 - 13:00	1.00	OTH		DRLPRO	CHANGE OUT ROTATING HEAD RUBBER
	13:00 - 20:00	7.00	DRL	1	DRLPRO	DRILL F/ 12271' TO 12319', WOB 26-32K, ROT 70, RPM540, PS 200, PP 2900
	20:00 - 21:30	1.50	RIG	2	DRLPRO	CHANGE OUT LINER & 3 SWABS # 2 PUMP
	21:30 - 05:30	8.00	DRL	1	DRLPRO	DRILL F/ 12319' TO 12385', WOB 32-36K, ROT 65, RPM 535, PS 200, PP 3000
	05:30 - 06:00	0.50	OTH		DRLPRO	CONNECTIONS & SPR
6/2/2008	06:00 - 08:00	2.00	DRL	1	DRLPRO	DRILL F/ 12385' TO 12403', WOB 35K, ROT 530, RPM 530, PS 200, PP 3000
	08:00 - 09:00	1.00	RIG	1	DRLPRO	RIG & TOP DRIVE SERVICE
	09:00 - 11:30	2.50	RIG	2	DRLPRO	CHANGE OUT SWIVEL WASH PIPE & PACKING 2 TIMES
	11:30 - 17:30	6.00	DRL	1	DRLPRO	DRILL F/ 12403' TO 12459' WOB 32K, ROT 60, RPM 530, PS 200, PP 3000
	17:30 - 18:00	0.50	OTH		DRLPRO	AIR OUT # 2 PUMP
	18:00 - 05:30	11.50	DRL	1	DRLPRO	DRILL F/ 12459' TO 12565', WOB 12565', ROT 60, RPM 530, PS 200.P 3000
	05:30 - 06:00	0.50	OTH		DRLPRO	CONNECTIONS & SPR
6/3/2008	06:00 - 09:00	3.00	DRL	1	DRLPRO	DRILL 8-1/2" HOLE W/ IMPREG BIT & .89 MUD MOTOR F/ 12565' TO 12594', WOB 36K, ROT 60, RPM 530, PS 200, PP 3050
	09:00 - 09:30	0.50	OTH		DRLPRO	CHANGE OUT ROTATING HEAD RUBBER
	09:30 - 10:30	1.00	RIG	1	DRLPRO	RIG & TOP DRIVE SERVICE
	10:30 - 05:30	19.00	DRL	1	DRLPRO	DRILL F/ 12594' TO 12822', WOB 24-36K, ROT 60, RPM 530, PS 200, PP 3050
	05:30 - 06:00	0.50	OTH		DRLPRO	CONNECTIONS & SPR
6/4/2008	06:00 - 12:00	6.00	DRL	1	DRLPRO	DRILL F/12822' TO 12874' WOB 24, ROT 60, PS 200, PP 3020, MM .90
	12:00 - 12:30	0.50	RIG	1	DRLPRO	RIG SERVICE
	12:30 - 05:30	17.00	DRL	1	DRLPRO	DRILL F/12874' TO 13020' WOB 21-36, ROT 60, PS 200, PP 3050, MM .9
	05:30 - 06:00	0.50	OTH		DRLPRO	CONNECTIONS
6/5/2008	06:00 - 11:00	5.00	DRL	1	DRLPRO	DRILL F/13020' TO 13060' WOB 26, ROT 60, PS 200, PP 2950, MM .9
	11:00 - 11:30	0.50	RIG	1	DRLPRO	RIG SERVICE
	11:30 - 01:00	13.50	DRL	1	DRLPRO	DRILL F/13060' TO 13160' WOB 30, ROT 60, PS 200, PP 3050, MM .9
	01:00 - 02:00	1.00	CIRC	1	DRLPRO	CIRCULATE, MIX DRY PIPE PILL DROP SURVEY
	02:00 - 02:30	0.50	CIRC	1	DRLPRO	PUMP DRY PIPE PILL
	02:30 - 06:00	3.50	TRP	12	DRLPRO	TRIP OUT BIT #11, HIGH DIFFERENTIAL WITH ANY WEIGHT ON BIT
6/6/2008	06:00 - 13:00	7.00	TRP	10	DRLPRO	TRIP OUT BIT #11 NOSE OF BIT WAS CORRED OUT TRIP WAS WET
	13:00 - 13:30	0.50	OTH		DRLPRO	FUNCTION TEST BOP
	13:30 - 23:00	9.50	TRP	10	DRLPRO	CHANGE MUD MOTOR AND BIT WENT IN WITH .15 AND DSX811
	23:00 - 00:00	1.00	DRL	1	DRLPRO	DRILL F/13160' TO 13170' WOB 20, ROT 25, PS 160, PP 2150, MM .15
	00:00 - 01:00	1.00	OTH		DRLPRO	CHANGE ROTATING RUBBER
	01:00 - 02:00	1.00	DRL	1	DRLPRO	DRILL F/13170' TO 13176' WOB 20, ROT 25, PS 160, PP 2150
	02:00 - 02:30	0.50	RIG	2	DRLPRO	CHANGE VALVE IN #1 PUMP
	02:30 - 06:00	3.50	DRL	1	DRLPRO	DRILL F/13176' TO 13215' WOB 20, ROT 25, PS 160, PP 2150, MM

Operations Summary Report

Legal Well Name: SCS 5C-32-14-19
Common Well Name: SCS 5C-32-14-19 Spud Date: 3/21/2008
Event Name: DRILLING Start: 4/21/2008 End: 6/10/2008
Contractor Name: Unit Drilling Co. Rig Release: 6/10/2008 Group:
Rig Name: UNIT Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/6/2008	02:30 - 06:00	3.50	DRL	1	DRLPRO	.15
6/7/2008	06:00 - 11:30	5.50	DRL	1	DRLPRO	DRILL F/13215' TO 13252' WOB 20, ROT 20, PS 150, PP 1975, MM .15
	11:30 - 12:00	0.50	RIG	1	DRLPRO	RIG SERVICE
	12:00 - 06:00	18.00	DRL	1	DRLPRO	DRILL F/13252' TO 13404' WOB 28, ROT 30, PS 150, PP 1930, MM .15
6/8/2008	06:00 - 11:00	5.00	DRL	1	DRLPRO	DRILL F/13404' TO 13438' WOB 28, ROT 30, PS 150, PP 2090, MM .15
	11:00 - 11:30	0.50	RIG	1	DRLPRO	RIG SERVICE
	11:30 - 13:00	1.50	DRL	1	DRLPRO	DRILL F/13438' TO 13450' WOB 28, ROT 30, PS 150, PP 2090, MM .15 TD
	13:00 - 14:30	1.50	CIRC	1	DRLPRO	CIRCULATE FOR WIPER TRIP
	14:30 - 15:30	1.00	TRP	14	DRLPRO	PUMP DRY PIPE PILL AND WIPER TRIP 10 STDS
	15:30 - 17:30	2.00	CIRC	1	DRLPRO	CIRCULATE AND CONDITION FOR LOGS
	17:30 - 18:00	0.50	SUR	1	DRLPRO	DROP SURVEY AND PUMP DRY PIPE PILL
	18:00 - 00:00	6.00	TRP	2	DRLPRO	TRIP OUT FOR LOGS STRAP OUT
	00:00 - 06:00	6.00	LOG	1	DRLPRO	RIG UP LOGGERS 9SCHLUMBERGER) FIRST RUN PLATFORM EXPRESS LOGGERS DEPTH 13462'
6/9/2008	06:00 - 07:30	1.50	LOG	1	EVALPR	LOG, FIRST RUN PLATFORM EXPRESS LOGGERS DEPTH 13462'
	07:30 - 16:00	8.50	LOG	1	EVALPR	SECOND RUN FMI,
	16:00 - 16:30	0.50	LOG	1	EVALPR	RIG DOWN SCHLUMBERGER
	16:30 - 18:30	2.00	TRP	2	EVALPR	TRIP IN DRILL COLLARS AND MONEL, LAY DOWN
	18:30 - 21:00	2.50	TRP	2	EVALPR	TRIP INTO SHOE
	21:00 - 22:30	1.50	RIG	6	EVALPR	SLIP AND CUT DRILLING LINE
	22:30 - 01:30	3.00	TRP	2	EVALPR	FINISH TRIP IN
	01:30 - 02:00	0.50	REAM	1	EVALPR	WASH AND REAM LAST STD TO BOTTOM 15' OF FILL
	02:00 - 04:30	2.50	CIRC	1	EVALPR	CIRCULATE, LAY DOWN TRUCK ON LOCATION AT 0300, RIG UP LAY DOWN TRUCK
	04:30 - 06:00	1.50	TRP	3	EVALPR	LAY DOWN DRILL STRING
6/10/2008	06:00 - 13:00	7.00	TRP	3	CSGPRO	LAY DOWN DRILL STRING
	13:00 - 13:30	0.50	RIG	2	CSGPRO	REPAIR BREAK OUT LINE ON TONGS
	13:30 - 17:30	4.00	TRP	3	CSGPRO	LAY DOWN DRILL STRING
	17:30 - 18:00	0.50	OTH		CSGPRO	PULL WEAR BUSHING
	18:00 - 19:00	1.00	OTH		CSGPRO	WAIT ON CASING CREW (LOST)
	19:00 - 21:00	2.00	CSG	1	CSGPRO	RIG UP CASING CREW HELD SAFETY MEETING
	21:00 - 06:00	9.00	CSG	2	CSGPRO	RUN 4 1/2" CASING, 284 JTS OF RANGE 3, 11 MARKER JTS, ONE PUP JT AND FLOAT COLLAR AND FLOAT SHOE, 4 1/2", #13.5, LT&C, HCP-110 CASING LANDED AT 13433' KB
6/11/2008	06:00 - 07:00	1.00	CSG	2	CSGPRO	RUN 4 1/2" CASING SET AT 13433' KB LANDED ON HANGER
	07:00 - 09:30	2.50	CIRC	1	CSGPRO	CIRCULATE AT REDUCED PUMP RATE
	09:30 - 13:00	3.50	CMT	1	CSGPRO	RIG UP HALLIBURTON AND PACK OFF WELLHEAD
	13:00 - 16:00	3.00	CMT	2	CSGPRO	HOLD SAFETY MEETING WITH HALLIBURTON AND CEMENT, PUMP 10 BBLS OF WATER 30 BBLS OF SUPER FLUSH AND 10 BBLS OF WATER, 175 BBLS OF 9.5 PPG FOAMED 1.48 YIELD FIRST LEAD CEMENT, 195 BBLS OF 11 PPG FOAMED 1.48 YIELD SECOND LEAD CEMENT, 56 BBLS OF 14.3 PPG 1.48 YIELD UNFOAMED TAIL CEMENT DISPLACED WITH 200.43 BBLS OF CLAYFIX WATER, BUMPED PLUG FLOATS HELD GOOD RETURNS DURRING JOB WITH NO N2 TO SURFACE
	16:00 - 17:00	1.00	CMT	1	CSGPRO	RIG DOWN HALLIBURTON
	17:00 - 00:00	7.00	OTH		CSGPRO	PULL LANDING JT, CLEAN MUD TANKS, NIPPLE DOWN BOP RIG RELEASE AT 2400, 6/10/2008

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

Operator: Questar Exploration & Production Co Account: N5085 Today's Date: 10/23/2008

Problems:

- [x] Late Report(s)
- [ ] Inaccurate Report(s)
- [ ] Incomplete Report(s)
- [ ] Other: _____

Failure to submit reports in a timely, accurate, and complete manner may result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

To avoid compliance action, these reporting problems should be resolved within 7 days.

Send reports to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Fax to:

(801) 359-3940

43-047-38963
32 14S 19E
SCS SC-32-14-19

Type of Report	Month(s) of Problem Report
[ ] Production – Form 10 [ ] Disposition – Form 11 [ ] Gas Plant – Form 13 [ ] Enhanced Recovery – UIC Form 2 [ ] Injection – UIC Form 3 [ ] Other _____	

Type of Report	Well Name(s)	API Number(s)	Drilling Commenced
[ ] Spud Notice – Form 9 [x] Drilling Reports – Form 9 [ ] Well Completion Report – Form 8 [ ] Other _____	[x] List Attached		

Description of Problem:

Per R649-3-6 2.4 The operator shall submit a monthly status report for each drilling well on Form 9, Sundry Notice and Reports on Wells. The report should include the well depth and a description of the operations conducted on the well during the month.

If you have questions or concerns regarding this matter, please contact Rachel Medina at (801) 538-5260 .

cc: Compliance File
RAM
Well File
CHD

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

ATTACHMENT

Operator: Questar Exploration & Production Co Account: N5085 Today's Date: 10/23/2008

Well Names	API Numbers	Drilling Commenced
RWS 8D-5-9-24	4304737307	01/11/2008
RW 04-25B	4304736982	02/05/2008
SCS 5C-32-14-19	4304738963	03/17/2008
FR 4P-21-14-20	4304739811	03/30/2008
WV 7BD-23-8-21	4304739044	04/12/2008
GB 15D-27-8-21	4304739662	04/26/2008
Brennan 1	4304715417	05/28/2008
WRU GB 13G-3-8-22	4304739792	06/08/2008
GD 1G-34-9-15	4301333827	06/13/2008
GD 16G-35-9-15	4301333833	06/13/2008

CONFIDENTIAL

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
ML-47973

6. If Indian, Allottee or Tribe Name
UTE INDIAN TRIBE

7. If Unit or CA/Agreement, Name and/or No.
N/A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
SCS 5C-32-14-19

2. Name of Operator
Questar Exploration & Production Co. *Contact: Mike Stahl*

9. API Well No.
43-047-38963

3a. Address
11002 East 17500 South, Vernal, UT 84078

3b. Phone No. *(include area code)*
303-308-3613

10. Field and Pool, or Exploratory Area
UNDESIGNATED

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1810' FNL 460' FWL, SWNW, SECTION 32, T14S, R19E

11. County or Parish, State
UINTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Commingling
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

In Compliance with the Administrative Utah code for drillling and operating practice R649-3-22, completion into two or more pools. Questar Exploration & Production Company hereby requests the commingling of production between intervals in the SCS 5C-32-14-19. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recevery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the gas streams.

Questar requests approval for the commingling of production between the Dakota and Mesa Verde formations. Based upon offset production logs, the proposed initial allocation is as follows: Dakota - 10%; Mancos - 70%; Mesa Verde - 20%.

A production log will be run within 30 to 45 days to determine contribution from each interval. At that time a subsequent Report will be filed detailing the results of the production log.

After the well has produced for a period of 6 to 9 months, Questar shall prepare and submit to the BLM, for approval, a paying well determination. If the paying well determination is approved by the BLM, Questar will then submit an application for the formation (or expansion if necessary) of a single participating area covering the Mesaverde, Mancos and Dakota formations either individually or consolidated to cover all 3 formations. Production from the Wasatch zone will be allocated to the existing Wasatch formation PA.

On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinues after the fifth anniversary of the initial production.

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
Laura Bills	Associate Regulatory Affairs Analyst
Signature *Laura Bills*	Date September 12, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
	Pet. Eng.	11/3/08
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office DOGM	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

COPY SENT TO OPERATOR
Date: _____
Initials: _____

RECEIVED
OCT 09 2008
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

AFFIDAVIT OF NOTICE

STATE OF COLORADO)
COUNTY OF DENVER) ss:

Chad W. Matney, being duly sworn, deposes and says:

1. That I am employed by Questar Exploration and Production Company in the capacity as a Landman. My business address is:

   Independence Plaza
   1050 17th Street, Suite 500
   Denver, CO 80265

2. In my capacity as a Landman, pursuant to the provisions of Utah Administrative Rule 649-3-22, I have provided a copy of Questar Exploration and Production Company's application for completion of the SCS 5C-32-14-19 well into two or more pools, in the form of Utah Division of Oil, Gas and Mining's Form 9 Sundry Notice, to owners of all contiguous oil and gas leases or drilling units overlying the pools which are the subject of that application.

3. In my capacity as a Landman, I am authorized to provide such notice of Questar Exploration and Production Company's application to contiguous owners and to make this affidavit on this 17th day of September 2008.

Printed Name: Chad W. Matney

The foregoing instrument was sworn to and subscribed before me this 23rd day of September 2008, by Chad W. Matney.

Notary Public

NICOLE A. RUIZ NOTARY PUBLIC STATE OF COLORADO My Commission Expires April 29, 2012

QUESTAR

Questar Exploration and Production Company
Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Rocky Mountain Region

September 17, 2008

SEE ATTACHED MAILING LIST

Dear Owner:

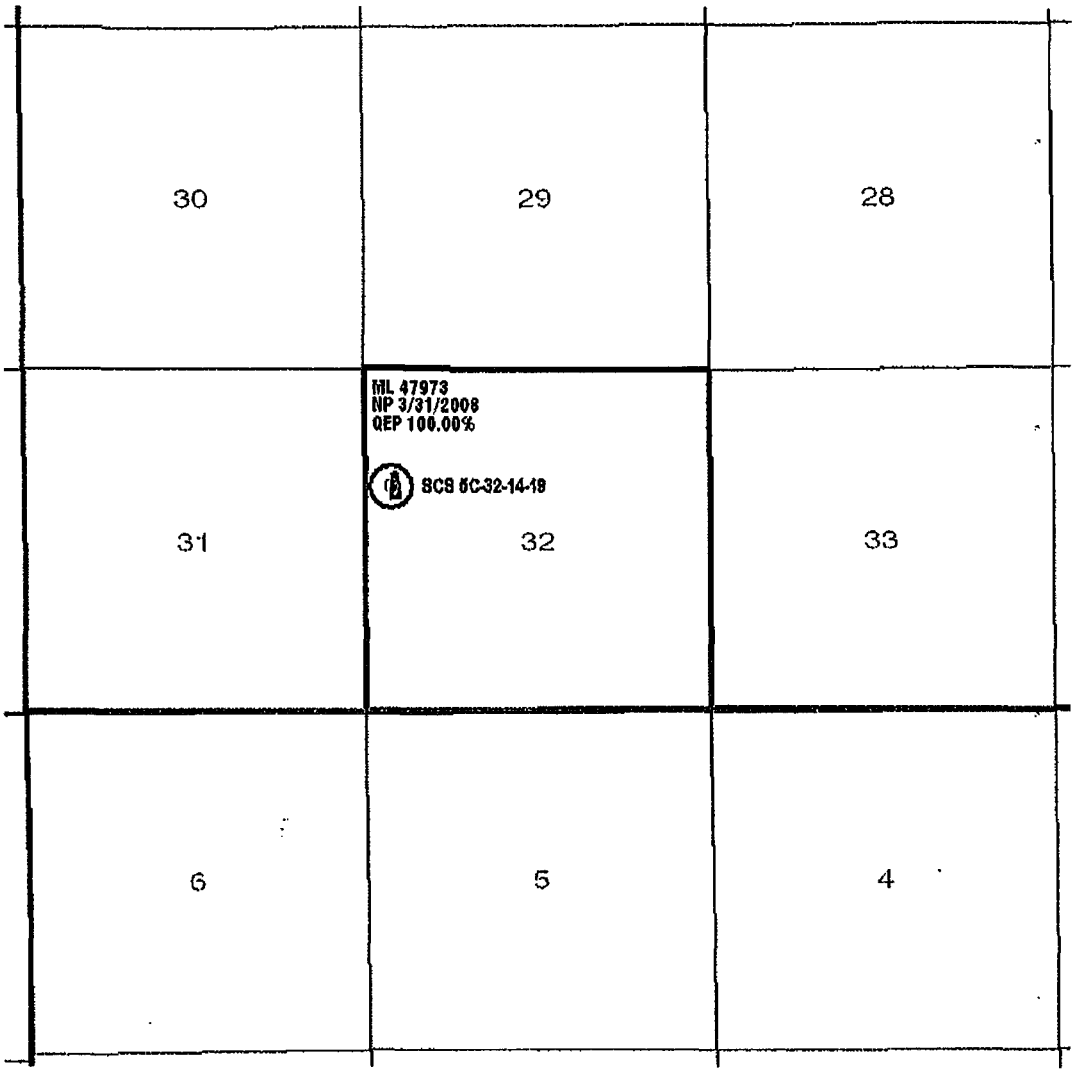
Attached for your information is a copy of Questar's application to the State of Utah Division of Oil, Gas and Mining for commingling of the SCS 5C-32-14-19 Well located in Uintah County, Utah.

Very truly yours,

Chad W. Matney
Associate Landman

Enclosure(s)

MAILING LIST
SCS 5C-32-14-19
NOTICE OF COMMINGLING



T14S-R19E

○ Commingled well

Tw / Kmv
COMMINGLED PRODUCTION
Uinta Basin—Uintah County, Utah

Well: SCS 5C-32-14-19
Lease: ML 47973

QUESTAR
Exploration and Production
1050 17th St., # 500 Denver, CO 80265

Geologist:
Landman: Chad Matney
Date: September 16, 2008

43-047-38963

CONFIDENTIAL

Questar E & P

Operations Summary Report - DRILLING

Well Name: ~~SCS 5C-32-14-19~~
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/21/2008	06:00 - 07:00	1.00	LOC	2	DRILL CONDUCTOR HOLE TO 90'
	07:00 - 16:00	9.00	DRL	1	DRILL F/90' TO 540' TD FOR SURFACE CASING
	16:00 - 17:00	1.00	CSG	2	RUN 14 JTS OF 13 3/8" #48, J-55 CASING SET AT 508.41' GL
	17:00 - 18:00	1.00	CMT	2	CEMENT WITH PRO-PETRO, CEMENTED WITH 500 SKS OF 15.8 PPG 1.15 YIELD CEMENT DISPLACED WITH 71.9 BLLS OF WATER 40 BBLS TO SURFACE
4/22/2008	06:00 - 06:00	24.00	LOC	4	RIG DOWN TOP DRIVE, FLOOR AND MUD TANKS AND PUMPS
4/23/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN 25% - RIG DOWN TOP DRIVE SERVCE LOOP & TORQUE TUBE, RIG DOWN FLOOR & PREPARE TO LAY DERRICK OVER
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: KUHR TRUCKING CRANES & TRUCKS SCHEDULED ON LOCATION THURSDAY AM
4/24/2008	06:00 - 18:00	12.00	LOC	4	50% RIG DOWN - LAY DERRICK OVER, UNSTRING, RIG DOWN MOTOR SHEDS, COMPOUND, DISCONNECT SUITCASES, DRAIN & BLOW EVERYTHING DOWN.
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: CRANES ON LOCATION THIS AFTERNOON, 5 BED & 4 HAUL TRUCKS WILL BE ON LOCATION THIS AM
4/25/2008	06:00 - 18:00	12.00	LOC	4	97% RIG DOWN & 55% RIG MOVE (WILL MOVE & SET BOPS, MATTING BOARDS & SUBSTRUCTURE, START RIG UP TOMORROW AM)
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: WILL RIG DOWN & MOVE CAMPS SATURDAY, SHOULD HAVE EVERYTHING OFF LOCATION SUNDAY, READY FOR COMPLETIONS MONDAY AM.
4/26/2008	06:00 - 18:00	12.00	LOC	3	97% RIG DOWN, 80% RIG MOVE, 15% RIG UP - SET MATTING BOARDS, SUBSTRUCTURE & STACK BOPS (START CHANGING OUT # 3 FLOOR MOTOR)
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: WILL RIG DOWN & MOVE CAMPS SUNDAY AM
4/27/2008	06:00 - 18:00	12.00	LOC	3	97% RIG DOWN - 85% RIG MOVE - 75% RIG UP, SET DRAW WORKS, FLOOR MOTORS, MUD PUMPS & BACK YARD. SET DERRICK ON FLOOR.
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: DRILL LINE SPOOL SHAFT & PILLAR BLOCK BEARINGS DAMAGED YESTERDAY 4/25/2008 OFF LOADING ON NEW LOCATION. NEW PILLAR BLOCKS ON LOCATION, NO CONFIRMATION AS YET WHEN SHAFT WILL BE READY.
4/28/2008	06:00 - 18:00	12.00	LOC	3	100% RIG DOWN, 100% RIG MOVE, 85% RIG UP - R/D CAMP, MOVE & R/U, FINISH MOVE TUBULARS, GENERAL RIG UP
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: SCS10C LOCATION READY FOR COMPLETIONS, DRILL LINE SPOOL SHAFT ETA LOCATION AFTERNOON 4/28/2008. CRANE RELEASED 1000 AM, TRUCKS RELEASED 1800 HRS. AIR PACKAGE SCHEDULED FOR WEDNESDAY 4/30/2008
4/29/2008	06:00 - 18:00	12.00	LOC	4	90% RIGGED UP - GENERAL RIG UP, UNITS MECHANIC ON LOCATION TO RUN OUT # 3 FLOOR MOTOR, FOUND REAR SEAL LEAKING ON TORQUE CONVERTER & OVERHEATING. TORQUE CONVERTER FROM CASPER ETA LOCATION AM 4/29/2008. CRANE SCHEDULED AM 4/29/2008
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: AIR PACKAGE RESCHEDULED ON LOCATION AM 5/1/2008. NEW DRILL LINE SPOOL SHAFT & GIN TRUCK SCHEDULED AM 4/29/2008
4/30/2008	06:00 - 18:00	12.00	LOC	4	RIG UP 90%, GENERAL RIG UP, INSPECT BHA, GIN TRUCK & SHAFT ON LOCATION 1100 HRS, CRANE ON LOCATION 1130 HRS, INSTALL NEW SHAFT & PILLAR BLOCK BEARINGS & STRING UP. CHANGE OUT #3 TORQUE

RECEIVED
NOV 10 2008
DIV. OF OIL, GAS & MINING

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Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/30/2008	06:00 - 18:00	12.00	LOC	4	CONVERTER & RUN OUT. START INSTALLING INDIVIDUAL CENTRIFUGE PUMP FOR HOPPER.
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: WILL RAISE DERRICK THIS AM
5/1/2008	06:00 - 18:00	12.00	LOC	4	95% RIG UP - GENERAL RIG UP, RAISE DERRICK, UNBRIDLE, RIG UP FLOOR & FLOW LINES. CONTINUE FABRICATE & INSTALL HOPPER CENTRIFUCAL PUMP
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
	-				NOTE: WILL HANG TORQUE TUBE, SERVICE LOOP & P/U TOP DRIVE. WILL BREAK TOUR TODAY.
5/2/2008	06:00 - 01:30	19.50	LOC	4	100% RIG UP - PICK UP & HANG TORQUE TUBE, HANG SERVICE LOOP, PICK UP SWIVEL, TOP DRIVE, LOAD PATH INSPECTION, & TORQUE. RIG UP BLOOIE, FLARE & PANIC LINES. SET IN & RIG UP AIR SPECIALTIES AIR PACKAGE. FINISH HOPPER CENTRIFUCAL PUMP INSTALLATION.
	01:30 - 06:00	4.50	OTH		START BOP TEST - WASH PIPE LEAKING, CHANGE WASH PIPE & PACKING 2 TIMES
	06:00 -				NOTE: NOTIFIED UTAH OIL & GAS OF INTENT TO TEST BOP & SPUD @ 1000 HRS. 5/1/2008
5/3/2008	06:00 - 13:30	7.50	BOP	2	TEST BOP W/ B&C QUICK TEST. UPPER& LOWER PIPE RAMS, BLIND RAMS, CHOKE & KILL LINE, CHOKE MANIFOLD, VALVES, FLOOR VALVES & DOUBLE BALL TOP DRIVE W/ 250 PSI LOW & 5000 PSI HIGH. TEST ANNULAR W/ 2500 PSI. TEST KELLY HOSE, STANDPIPE & MUD LINES W/ 250 PSI LOW & 3500 PSI HIGH. TEST CASING W/ 1500 PSI FOR 30 MIN.
	13:30 - 17:00	3.50	OTH		SET LONG WEAR BUSHING (PROBLEM W/ TOP THREAD ON SETTING TOOL & WEAR BUSHING)
	17:00 - 22:00	5.00	OTH		SET MOUSE HOLE, INSTALL SERVICE LOOP TARP, P/U BAILS & ELEVATORS (LINK TILT NOT FUNCTIONING ON TOP DRIVE) STRAP BHA
	22:00 - 03:00	5.00	TRP	1	MAKE UP 12-1/4" BIT, TIH PICKING UP BHA. TAG @ 463' (REPAIR LINK TILT)
	03:00 - 06:00	3.00	RIG	2	TOP DRIVE IN DRILL MODE UNABLE TO ROTATE AT HIGHER RPM (WAIT ON TESCO)
5/4/2008	06:00 - 06:00	24.00	RIG	2	UNABLE TO ROTATE TOP DRIVE IN DRILL MODE (TESCO & UNIT MECH & SUPT ON LOCATION 0730, CHANGE OUT RELAY SWITCHES, 37 PIN CABLE. NO SUCCESS. ALL LEFT LOCATION 2130 HRS TO MEET TESCO TECH FROM GRAND JUCTION AT OURAY. MET IN OURAY DISCUSSED SITUATION. TWO TESCO TECHS LEFT FOR LOCATION, AS YET NOT ON LOCATION, NO COMMUNICATION.
5/5/2008	06:00 - 13:00	7.00	RIG	2	TESCO TECH ON LOCATION @ 0630, TROBLESHOOT & REPLACE TOP PANEL BOARD ON POWER UNIT, 2 MODE SWITCHES & 2 RELAY SWITCHES
	13:00 - 13:30	0.50	RIG	1	RIG SERVICE - ADJUST BRAKES
	13:30 - 17:00	3.50	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & CEMENT POCKET F/ 463' TO 560'
	17:00 - 17:30	0.50	SUR	1	SURVEY @ 540' = .5 INC & 108.15 AZ
	17:30 - 18:00	0.50	OTH		BLOW HOLE DRY
	18:00 - 19:00	1.00	DRL	1	DRILL W/ AIR F/ 560' TO 618', WOB 25-28K, RPM 60, 3000 CFM, 80 PSI, DUSTING
	19:00 - 20:00	1.00	RIG	1	RIG SERVICE - SET TOP DRIVE RPM
	20:00 - 21:00	1.00	DRL	1	DRILL F/ 618' TO 634', WOB 30-32K, RPM 60, 3000 CFM, 80 PSI
	21:00 - 22:00	1.00	OTH		PASON ON LOCATION, REPLACE CABLE & RECALIBRATE HOOK LOAD
	22:00 - 04:00	6.00	DRL	1	DRILL F/ 634' TO 1119', WOB 25-28K, RPM 65, 3000 CFM, 128 PSI
	04:00 - 04:30	0.50	SUR	1	SURVEY @ 1099' = .3 INC & 54.75 AZ
	04:30 - 06:00	1.50	OTH		CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/6/2008	06:00 - 14:00	8.00	DRL	1	DRILL F/ 1119' TO 1581', WOB 25-28K, RPM 65, 3000 CFM, MIST 17 GPM W/ 220 PSI (HOLE STARTED GETTING WET @ 1340', START MISTING)
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/6/2008	14:30 - 01:00	10.50	DRL	1	DRILL F/ 1581' TO 2173', WOB 25-33K, RPM 65, 3000 CFM, MIST 18 GPM W/ 250 PSI (MAKING WATER)
	01:00 - 04:00	3.00	OTH		CONNECTIONS & REGAIN CIRCULATION W/ AIR
	04:00 - 04:30	0.50	SUR	1	SURVEY @ 2150' = 1.3 INC & 30.55 AZ
	04:30 - 06:00	1.50	DRL	1	DRILL F/ 2173' TO 2260', WOB 25-28K, RPM 70, 3000 CFM, MIST 18 GPM W/ 250 PSI (MAKING WATER)
5/7/2008	06:00 - 06:30	0.50	DRL	1	DRILL F/ 2260' TO 2267', WOB 25-28K, RPM 70, CFM 3000, MIST 18 GPM W/ 250 PSI
	06:30 - 07:30	1.00	OTH		CHANGE ROTATING HEAD RUBBER
	07:30 - 15:00	7.50	DRL	1	DRILL F/ 2267' TO 2549', WOB 28-32K, RPM 70, CFM 3000, 132 GPM, 475 PSI (DRILLING W/ AIREATED FLUID)
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
	15:30 - 03:30	12.00	DRL	1	DRILL F/ 2549' TO 3137', 31-35K, RPM 65, CFM 3000, 137 GPM, 490 PSI
	03:30 - 06:00	2.50			CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/8/2008	06:00 - 07:30	1.50	DRL	1	DRILL F/ 3,137' TO 3,200', (63') AROP 42 FPH, WOB 31-32K, RPM 70, CFM 3000, MIST 18 GPM W/ 490 PSI, PUMP 10 BBL SWEEP
	07:30 - 08:00	0.50	SUR	1	SURVEY @ 3,181' = 1.0 INC & 56.75 AZ
	08:00 - 14:30	6.50	DRL	1	DRILL F/ 3,200' TO 3,386', (186') AROP 28.61FPH, WOB 31-35K, RPM 70, CFM 3000, MIST 18 GPM W/ 493 PSI, PUMP 10 BBL SWEEP
	14:30 - 15:00	0.50	RIG	1	SERVICE AND LUBRICATE RIG
	15:00 - 04:30	13.50	DRL	1	DRILL F/ 3,386' TO 3,779', (393') AROP 30.2 FPH, WOB 35-39K, RPM 70, CFM 3000, MIST 18 GPM W/ 615 PSI, PUMP 20 BBL SWEEP & 10 BBL SWEEP
	04:30 - 06:00	1.50	OTH		CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/9/2008	06:00 - 15:30	9.50	DRL	1	AIR DRILL 12 1/4" HOLE F/ 3,779' T/4,043' (264') AROP 27.78 FPH, WOB 39K, ROTORY 85 RPM, 106 SPM, 285.5 GPM.
	15:30 - 16:00	0.50	RIG	1	SERVICE AND LUBRICATE RIG
	16:00 - 03:30	11.50	DRL	1	AIR DRILL 12 1/4" HOLE F/ 4,043' T/4,395' (352') AROP 30.6 FPH, WOB 39K, ROTORY 85 RPM, 106 SPM, 285.5 GPM. CHECK CROWN O MATIC. NOTE: WORKING ON #2 PUMP GEAR-END
	03:30 - 06:00	2.50	OTH		CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/10/2008	06:00 - 14:30	8.50	DRL	1	AIR DRILL 12 1/4" HOLE F/ 4,395' T/4,601' (206') AROP 24.2 FPH, WOB 39K, ROTORY 76 RPM, 109 SPM, 285.5 GPM.
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE
	15:30 - 03:30	12.00	DRL	1	AIR DRILL 12 1/4" HOLE F/ 4,601' T/4,911' (310') AROP 25.8 FPH, WOB 39/42K, ROTORY 75/85 RPM, 109 SPM, 285.5 GPM. . NOTE: WORKING ON #2 PUMP GEAR-END
	03:30 - 06:00	2.50	OTH		CONNECTIONS & REGAIN CIRCULATION W/ AIR
5/11/2008	06:00 - 19:30	13.50	DRL	1	AIR DRILL W/ WATER 12 1/4" HOLE F/ 4,911' T/5,067' (156') AROP 11.5 FPH, WOB 39/42K, ROTORY 75/85 RPM, #1 83 SPM, 223 GPM, #2 81 SPM, 218 GPM.
	19:30 - 20:30	1.00	RIG	2	TROUBLE W/ TOP DRIVE
	20:30 - 22:00	1.50	DRL	1	AIR DRILL W/WATER 12 1/4" HOLE F/ 5,067' T/5,099' (32') AROP 21.3 FPH, WOB 39/42K, ROTORY 75/85 RPM, #1 83 SPM, 223 GPM, #2 81 SPM, 218 GPM.
	22:00 - 23:00	1.00	OTH		CONNECTIONS & REGAIN CIRCULATION W/ AIR
	23:00 - 02:00	3.00	CIRC	1	PUMP 20 BBL BOTTOMS UP SWEEP, SHUT DOWN AIR AND CIRCULATE 1445 BBLS OF H2O BACK INTO FORMATION.
	02:00 - 05:00	3.00	TRP	14	SHORT TRIP TO CASING SHOE, CONDITION HOLE FOR 9 5/8" INTERMEDIATE CASING. HOLE CONDITION GOOD W/ 10 DRAG ON BTM. CIRCULATE ACROSS WELL HEAD WHILE TRIPPING.
	05:00 - 06:00	1.00	CIRC	1	PUMP 20 BBL BOTTOMS UP SWEEP W/ AIR & WATER. CONDITION HOLE FOR CASING.
5/12/2008	06:00 - 08:00	2.00	TRP	14	SHORT TRIP FROM 5,099 TO SURFACE CASING SHOE. HOLE IN GOOD CONDITION.
	08:00 - 09:00	1.00	CIRC	1	PUMP SWEEP, CIRCULATE BOTTOMS UP AND CONDITION HOLE.

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/12/2008	09:00 - 14:00	5.00	TRP	2	TOH W/ 12 1/4" BIT, L/D 8" DC AND MONEL,,
	14:00 - 14:30	0.50	OTH		PULL WEAR BUSHING
	14:30 - 16:00	1.50	CSG	1	RIG UP CASING CREW
	16:00 - 23:00	7.00	CSG	2	RUB 118 JTS OF 9 5/8", HCP-110, LT&C, #47 CASING WITH FLOAT COLLAR AND FLOAT SHOE WITH ONE PUP JOINT ON LANDING JOINT LANDED AT 5077.6' KB
	23:00 - 00:30	1.50	CIRC	1	CIRCULATE CASING
	00:30 - 03:00	2.50	OTH		PACK OFF WELLHEAD
	03:00 - 04:00	1.00	CMT	1	HEAD UP HALLIBURTON
	04:00 - 06:00	2.00	CMT	2	HELD SSAFETY MEETING AND CEMENT WITH HALLIBURTON
5/13/2008	06:00 - 08:00	2.00	CMT	2	FINISH CEMENTING 9 5/8" INTERMEDIATE CASING LANDED @ 5077.67.
	08:00 - 09:00	1.00	WOT	1	RD HALLIBURTON N2 CEMENTING EQUIPMENT.
	09:00 - 10:00	1.00	WOT	1	SERVICE & LUBRICATE RIG & TOP DRIVE.
	10:00 - 11:30	1.50	WOT	1	LAY DOWN LANDING JT, INSTALL CAMERON WEAR BUSHING AND L/D FRANK'S BAILS.
	11:30 - 14:30	3.00	WOT	1	W.O.C., REPLACE TOP DRIVE ACTUATOR ON DOUBLE VALVE, MUD UP SYSTEM, CHANGE ELEVATORS.
	14:30 - 15:30	1.00	WOT	1	PU 8.5" BIT & BHA.
	15:30 - 19:00	3.50	WOT	1	TIH W/ 8.5" BIT & BHA.
	19:00 - 20:00	1.00	WOT	1	FILL D/P AND DRILL OUT 9 5/8" FLOAT COLLAR AND SHOE TRACK.
	20:00 - 20:30	0.50	EQT	1	PRESSURE TEST CASING TO 1,500 PSI FOR 10 MIN. HELD OKAY.
	20:30 - 21:00	0.50	DRL	4	DRILL OUT 9 5/8", TAG CMT TOP @ 4,984' CASING SHOE @ 5,077' AND CEMENT TO 5,099'.
	21:00 - 21:30	0.50	EQT	2	FIT TEST FORMATION TO 11.5 PPG, PRESSURE 8.7 PPG MUD TO 740 PSI. HELD OKAY FOR 10 MIN.
	21:30 - 22:00	0.50	DRL	1	DRILL F/ 5,099' TO 5,107' (8') AROP 16 FPH, WOB 15K, SPM 148, 398 GMP, MOTOR 60 RPM, TOP DRIVE 45 RPM, BIT 104 RPM.
	22:00 - 22:30	0.50	SUR	1	CIRCULATE 15 MINUTES, RUN SURVEY ON WIRELINE, SURVEY SLICK LINE PARTED 100' FROM SURFACE.
	22:30 - 23:30	1.00	CIRC	1	CIRCULATE, BUILD & PUMP 15 BBLS 1.5 PPG DRY PILL.
	23:30 - 03:00	3.50	TRP	13	TOOH TO RECOVER SURVEY TOOL. FOUND SLICK LINE PARTED AT KNOT INSIDE OF ROPE SOCKET. SURVEY @ 5,068', 0.3 INC, 318.95 AZM.
	03:00 - 06:00	3.00	TRP	13	TIH W/ 8.5" BHA.
5/14/2008	06:00 - 07:00	1.00	TRP	2	FINISH TIH.
	07:00 - 13:00	6.00	DRL	1	DRILL 8.5" HOLE F/5,107 T/5,292 (185') AROP 30.8 FPH, WOB 18K, SPM 170, 442 GPM, MOTOR RPM 66, ROTORY 40 RPM, BIT 106 RPM.
	13:00 - 13:30	0.50	RIG	1	SERVICE & LUBRICATE RIG.
	13:30 - 05:00	15.50			DRILL 8.5" HOLE F/5,292' T/5,595 (313') AROP 20.19 FPH, WOB 18K, SPM 170, 442 GPM, MOTOR RPM 66, ROTORY 40 RPM, BIT 106 RPM. FORMATION CHANGE W/ VERY FINE SAND @ 5,569'.
	05:00 - 06:00	1.00	OTH		MAKE CONNECTIONS ARE RESTART FROM OVER TORQUE.
5/15/2008	06:00 - 08:00	2.00	DRL	1	DRILL 8.5" F/ 5,595' T/5,602' (7') AROP 3.5 FPH, WOB 23 SPM #1 86, SPM # 2 83, 439.7 GPM, MOTOR RPM 66, ROTORY 55 RPM, BIT 121 RPM.
	08:00 - 08:30	0.50	CIRC	1	MIX AND PUMP 15 BBL 1.5 PPG DRY PILL.
	08:30 - 11:30	3.00	TRP	10	TOOH, FOUND PDC BIT W/ EXTREME STICK SLIP CONDTION ON OUT SIDE SHOULDER.
	11:30 - 12:00	0.50	RIG	1	ROUTINE RIG SERVICE.
	12:00 - 15:00	3.00	TRP	10	TIH W/ NEW BIT.
	15:00 - 23:30	8.50	DRL	1	DRILL F/5,602' T/5,890', (288') AROP 33.88 FPH, WOB 14.5K, #1 SPM 87, #2 SPM 84, RATE 445 GMP, MOTOR 66 RPM, TOP DRIVE 20 RPM, BIT 86.7 RPM. DIFF/ PRESSURE 31 / 81 PSI, TORQUE 500 / 600.
	23:30 - 06:00	6.50	OTH		NOTE: WHILE BACK-REAMING (20 RPM DRILL PIPE ROTORY) PRIOR TO MAKING CONNECTION PULLED UP BACK REAMING 62' AND THE STRING

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/15/2008	23:30 - 06:00	6.50	OTH		TORQUED UP THEN RELEASED, TOP DRIVE ALLOWED HIGH SPEED SPIN UNSCREWING AND DROPPING THE STRING 62' TO BOTTOM. TOP DRIVE WT IS 28 K, STRING WT 38K, ESTIMATED PIPE HANGING ABOVE PART 510'. DROPPPING 5,379' OF DRILL PIPE, PICKED UP A SINGLE AND WENT DOWN TAGGED W/ PUMP #1 @ 72 SPM. SCREWED BACK INTO BOX AND PICKED UP STRING PULLING 10K OVER. LOOKS LIKE THERE MAY BE SOME BENT DP. CALLED FRANK'S L/D AND CURTIS INSPECTION. SET PIPE RACKS, RACK AND TALLEY 135 JTS OF 4 1/5" DP. PREPARE TO TOOH AND L/D, INSPECT D/P.
5/16/2008	06:00 - 06:30	0.50	TRP	1	RU FRANKS L/D EQUIPMENT.
	06:30 - 07:00	0.50	CIRC	1	MIX AND PUMP DRY PIPE PILL / 20 BBLS 1.5 PPG.
	07:00 - 11:30	4.50	TRP	3	TOOH L/D DRILL PIPE FOR INSPECTION.
	11:30 - 19:00	7.50	ISP	1	INSPECT BHA / L/D 28 JT OF BENT 4 1/2" HWDP (QUAIL RENTAL)
	19:00 - 00:30	5.50	TRP	2	TIH P/U 4 1/2 " 138 JTS DP.
	00:30 - 02:30	2.00	TRP	2	TOOH AND STAND BACK DP.
	02:30 - 03:00	0.50	TRP	1	PU NEW 8.5" BIT, MOTOR .15 REV/GAL.
	03:00 - 06:00	3.00	TRP	2	TIH W/ NEW BHA AND DRILL PIPE.
5/17/2008	06:00 - 08:00	2.00	TRP	2	TIH, FILLING DP AT THE SHOE.
	08:00 - 09:00	1.00	RIG	1	LUBRICATE RIG AND TOP DRIVE.
	09:00 - 10:00	1.00	RIG	2	WORK ON TOP DRIVE; WOULD NOT ROTATE.
	10:00 - 11:00	1.00	TRP	2	TIH TO 5,350'.
	11:00 - 19:30	8.50	REAM	1	WASH & REAM POPPING SHELL F/ 5,350' T/ 5,890 (540'). PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
	19:30 - 21:30	2.00	DRL	1	DRILL F/ 5,890' T/ 5,912' (22') AROP 11 FPM, WOB 15, PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
	21:30 - 22:00	0.50	RIG	2	TOP DRIVE SAVER SUB WAS OVER TORQUE BY THE TOP DRIVE HYDRAULICS. UNABLE TO CONTROL TOP DRIVE TORQUE.
	22:00 - 06:00	8.00	DRL	1	DRILL F/ 5,912' T/ 6,210' (298') AROP 37.25 FPM, WOB 15, PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
5/18/2008	06:00 - 10:00	4.00	DRL	1	DRILL F/ 6,210' T/ 6,354' (144') AROP 36 FPM, WOB 15, PP 1,853, SPM #1 85, SPM #2 85, 449 GPM, MOTOR 67 RPM, ROTORY 20 RPM, BIT 87 RPM.
	10:00 - 10:30	0.50	RIG	1	ROUTINE RIG SERVICE
	10:30 - 03:00	16.50	DRL	1	DRILL F/ 6,354' T/ 6,839' (485') AROP 29.39 FPM, WOB 15/20, PP 1,853, SPM #1 85, SPM #2 82, 441 GPM, MOTOR 66 RPM, ROTORY 25 RPM, BIT 91 RPM.
	03:00 - 06:00	3.00	DRL	1	DRILL F/ 6,839' T/ 6,896' (57') AROP 19 FPM, WOB 23, PP 1,928, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
5/19/2008	06:00 - 08:00	2.00	DRL	1	DRILL F/ 6,896' T/ 6,914' (18') AROP 9 FPM, WOB 23, PP 1,928, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
	08:00 - 08:30	0.50	SUR	1	DROP SURVEY AND PUMP DRY PILL
	08:30 - 12:00	3.50	TRP	2	TOOH FOR ROP BIT #4 CHANGE.
	12:00 - 12:30	0.50	TRP	1	RETRIEVE SURVEY TOOL, CHANGE OUT BIT AND FUNCTION TEST BOPE.
	12:30 - 15:00	2.50	TRP	10	TIH W/ NEW 8.5" BIT #5.
	15:00 - 16:00	1.00	RIG	6	SLIP AND CUT DRILL LINE.
	16:00 - 17:30	1.50	TRP	10	FINISH TIH WASHING DOWN LAST STAND.
	17:30 - 18:00	0.50	RIG	1	ROUTINE RIG SERVICE & LUBRICATION.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 6,914' T/ 7,163' (249') AROP 20.75 FPH, WOB 22, PP 1,981, SPM #1 85, SPM #2 83, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
5/20/2008	06:00 - 16:00	10.00	DRL	1	DRILL F/ 7,163' T/ 7,458' (295') AROP 29.5 FPH, WOB 22, PP 1,981, SPM #1 85, SPM #2 83, 430 GPM, MOTOR 65 RPM, ROTORY 25 RPM, BIT 89 RPM.
	16:00 - 16:30	0.50	RIG	1	CIRC. DURING RIG SERVCE & LUBRICATE.
	16:30 - 17:00	0.50	SUR	1	DROP SURVEY, TAKEN @ 7,406', INC 1.5, AZM 109.25 (CORRECTED)
	17:00 - 17:30	0.50	CIRC	1	CIRC. DRY PILL, 25 BBLS OF 1.5 PPG.
	17:30 - 22:30	5.00	TRP	10	TOOH W/ BIT #5, L/D HUNTING .15 REV/GAL MOTOR AND 2-IBS.
	22:30 - 23:00	0.50	TRP	1	PU BIT #6, HUNTING .13 REV/GAL MOTOR.

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/20/2008	23:00 - 03:00	4.00	TRP	2	TIH W/ 8.5" HYCALOG DSR811M-A-18 W/ 4-12'S & 4-9'S, TFA .691, HUNTING MOTOR SN# 2080.
	03:00 - 03:30	0.50	REAM	1	SAFETY WASH & REAM
	03:30 - 06:00	2.50	DRL	1	DRILL F/ 7,458' T/ 7,492' (34') AROP 17 FPH, WOB 13.5, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 19 RPM, BIT 75 RPM.
5/21/2008	06:00 - 10:30	4.50	DRL	1	DRILL F/ 7,492' T/ 7,547 (55') AROP 12.2 FPH, WOB 19.5/25, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 10 RPM, BIT 66 RPM.
	10:30 - 11:00	0.50	RIG	2	CHANGE OUT PASON FLOW SENSOR.
	11:00 - 12:00	1.00	DRL	1	DRILL F/ 7,547' T/ 7,553 (6') AROP 6 FPH, WOB 19.5/23, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 10 RPM, BIT 66 RPM.
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE & LUBRICATE.
	12:30 - 17:30	5.00	DRL	1	DRILL F/ 7,553' T/ 7,576 (23) AROP 4.6 FPH, WOB 19.5/25, PP 1,881, SPM #1 83, SPM #2 80, 430 GPM, MOTOR 56 RPM, ROTORY 10 RPM, BIT 66 RPM.
	17:30 - 18:30	1.00	CIRC	1	CONDITION MUD AND CIRCULATE BOTTOMS UP. MIX 1.8 PPG DRY PILL AND DROP SURVEY.
	18:30 - 23:00	4.50	TRP	10	TOOH DUE TO LOW ROP.
	23:00 - 01:00	2.00	TRP	1	L/D BIT AND MOTOR (FLOW CHECKED AT SURFACE; OKAY). P/U SMITH 8.5" K703NBPX IMPREG W/ BAKER INTEQ 6.5" MOTOR W/ .89 REV/GAL. (FLOW CHECK MOTOR AT SURFACE; OKAY)
	01:00 - 04:30	3.50	TRP	10	TIH / IMPREG AND HIGH SPEED MOTOR.
	04:30 - 06:00	1.50	REAM	1	WASH AND REAM FROM 7,519 TO 7,550'
5/22/2008	06:00 - 07:00	1.00	REAM	1	WASH & REAM F/ 7550' TO 7576' (HARD REAMING F/ 7498' TO 7505')
	07:00 - 05:30	22.50	DRL	1	DRILL 8-1/2" HOLE W/ IMPREG BIT F/ 7576' TO 7739', WOB 26K, RPM 535, PS 200, PP 2400 (.89 MM @ 527 GPM)
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SPR
5/23/2008	06:00 - 08:00	2.00	CIRC	1	PUMP SWEEP, MIX DRY SLUG (VALVE ON PILL TANK LEAKING) DROP SURVEY & PUMP DRY SLUG
	08:00 - 15:00	7.00	TRP	10	TOOH W/ BIT # 7 (MIX & PUMP SECOND DRY SLUG)
	15:00 - 17:00	2.00	TRP	1	RETRIEVE SURVEY, CHANGE OUT BITS & MUD MOTOR, P/U STABILIZERS
	17:00 - 18:30	1.50	OTH		BIT # 8 HYCALOG DSX713MB10 WOULD NOT PASS WEAR BUSHING, PICK UP & CHANGE BITS (8-3/4" GAUGE RING WOULD NOT PASS ON BIT)
	18:30 - 22:30	4.00	TRP	10	SURFACE TEST MUD MOTOR & TIH W/ BIT # 8 (DSX811MA25)
	22:30 - 23:00	0.50	REAM	1	SAFETY WASH & REAM LAST 80' TO 7739'
	23:00 - 05:30	6.50	DRL	1	DRILL 8-1/2" HOLE W/ PDC & .24 MUD MOTOR F/ 7739' TO 7939', WOB 18K, ROT 10, RPM 100, PS 140, PP 1650
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SPR
5/24/2008	06:00 - 11:00	5.00	DRL	1	DRILL F/ 7939' TO 8125', WOB 18K, ROT 10, RPM 100, PS 140, PP 1650
	11:00 - 12:00	1.00	RIG	1	RIG & TOP DRIVE SERVICE
	12:00 - 12:30	0.50	RIG	2	CHANGE SWAB # 1 MUD PUMP
	12:30 - 03:30	15.00	DRL	1	DRILL F/ 8125' TO 8694', WOB 15-18K, ROT 10, RPM 105, PS 150, PP 1850
	03:30 - 06:00	2.50	OTH		CONNECTIONS & SPR
5/25/2008	06:00 - 07:30	1.50	DRL	1	DRILL F/ 8694' TO 8779', WOB 17K, ROT 10, RPM 105, PS 150, PP 1850
	07:30 - 08:30	1.00	SUR	1	CIRCULATE & WIRELINE SURVEY @ 8735' = .70 INC & 102.35 AZ
	08:30 - 12:00	3.50	DRL	1	DRILL F/ 8779' TO 8964', WOB 18K, ROT 15, RPM 110, PS 150, PP 1900
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
	12:30 - 04:00	15.50	DRL	1	DRILL F/ 8964' TO 9524', WOB 18-20K, ROT 25, RPM 125, PS 160, PP 2050
	04:00 - 06:00	2.00	OTH		CONNECTIONS & SPR
5/26/2008	06:00 - 09:00	3.00	DRL	1	DRILL F/ 9524' TO 9618', WOB 18-24K, ROT 25, RPM 125, PS 160, PP 2050
	09:00 - 10:00	1.00	SUR	1	CIRCULATE, DROP SURVEY & PUMP DRY SLUG
	10:00 - 13:00	3.00	TRP	10	TOOH TO SHOE
	13:00 - 14:30	1.50	OTH		ATTEMPT TO LEVEL DERRICK (LEANING TO V-DOOR SIDE)
	14:30 - 17:00	2.50	TRP	10	TOOH W/ BIT # 8
	17:00 - 18:00	1.00	OTH		RETRIEVE SURVEY & CHANGE OUT BITS

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/26/2008	18:00 - 22:30	4.50	TRP	10	SURFACE TEST MUD MOTOR & TIH W/ BIT # 9
	22:30 - 23:00	0.50	REAM	1	WASH & REAM F/ 9524' TO 9618' (6' FILL)
	23:00 - 05:00	6.00	DRL	1	DRILL 8-1/2" HOLE F/ 9618' TO 9932', WOB 10-12K, ROT 20, RPM 115, PS 150, PP 2200
	05:00 - 06:00	1.00	OTH		CONNECTIONS & SPR
5/27/2008	06:00 - 13:00	7.00	DRL	1	DRILL F/ 9932' TO 10271', WOB 11-14K, ROT 20, RPM 115, PS 150, PP 2250
	13:00 - 13:30	0.50	RIG	1	RIG SERVICE
	13:30 - 02:30	13.00	DRL	1	DRILL F/ 10271' TO 11021', WOB 10-11K, ROT 25, RPM 120, PS 150, PP 2450
	02:30 - 05:00	2.50	OTH		CONNECTIONS & SPR
	05:00 - 06:00	1.00	SUR	1	WIRELINE SURVEY @ 10977' = 1.0 INC & 139.35 AZ
5/28/2008	06:00 - 12:30	6.50	DRL	1	DRILL F/ 11021' TO 11302', WOB 10-13K, ROT 25, RPM 120, PS 150, PP 2400
	12:30 - 13:00	0.50	RIG	1	RIG SERVICE
	13:00 - 14:30	1.50	DRL	1	DRILL F/ 11302' TO 11372', WOB 12-14K, ROT 25 RPM 120, PS 150, PP 2400
	14:30 - 15:00	0.50	RIG	2	REPAIR WILDCAT AUTO DRILLER
	15:00 - 20:00	5.00	DRL	1	DRILL F/ 11372' TO 11583', WOB 10-12K, ROT 25, RPM 120, PS 150, PP 2450
	20:00 - 20:30	0.50	RIG	2	REPLACE ROTATING HEAD RUBBER
	20:30 - 04:30	8.00	DRL	1	DRILL F/ 11583' TO 11861', WOB 18K, ROT 30, RPM 130, PS 160, PP 2550
	04:30 - 06:00	1.50	OTH		CONNECTIONS & SPR
5/29/2008	06:00 - 07:30	1.50	DRL	1	DRILL F/ 11861' TO 11864', WOB 10-28K, ROT 25, RPM 130, PS 160, PP 2500
	07:30 - 08:30	1.00	CIRC	1	CIRCULATE & MIX DRY SLUG
	08:30 - 09:00	0.50	SUR	1	DROP SURVEY & PUMP DRY SLUG
	09:00 - 10:00	1.00	TRP	10	TOOH 11 STANDS
	10:00 - 11:00	1.00	OTH		PULL ROTATING HEAD RUBBER (DRILL STRING STILL LAYING AGAINST V-DOOR SIDE BUSHINGS) RE-INSTALL RUBBER
	11:00 - 16:30	5.50	TRP	10	TOOH W/ BIT # 9 (LAY DOWN 1 JT BENT DP)
	16:30 - 18:30	2.00	OTH		RETRIEVE SURVEY (MIS-RUN) CHANGE OUT BIT & MUD MOTOR, INSPECT WEAR BUSHING & SURFACE TEST MUD MOTOR
	18:30 - 21:30	3.00	TRP	10	TIH W/ BIT # 10 TO SHOE
	21:30 - 23:00	1.50	RIG	6	SLIP & CUT DRILL LINE
	23:00 - 03:00	4.00	TRP	10	TIH TO 11770'
	03:00 - 03:30	0.50	REAM	1	SAFETY WASH & REAM 1 STAND TO 11864'
	03:30 - 06:00	2.50	DRL	1	DRILL 8-1/2" HOLE W/ PDC BIT & .24 MUD MOTOR F/ 11864' TO 11940', WOB 17K, ROT 20, RPM 120, PS 160, PP 2200
5/30/2008	06:00 - 12:00	6.00	DRL	1	DRILL F/ 11940' TO 12034', WOB 13-20K, ROT 15, RPM 120, PS 160, PP 2200
	12:00 - 12:30	0.50	CIRC	1	MIX & PUMP DRY SLUG
	12:30 - 19:30	7.00	TRP	10	TOOH W/ BIT # 10
	19:30 - 21:00	1.50	OTH		CHANGE OUT BITS, FLUSH & CHANGE MUD MOTOR, SURFACE TEST MOTOR
	21:00 - 02:30	5.50	TRP	10	TRIP IN HOLE W/ IMPREG BIT & BAKER HUGHES .89 MUD MOTOR
	02:30 - 04:30	2.00	REAM	1	SAFETY WASH & REAM LAST STAND
	04:30 - 06:00	1.50	DRL	1	DRILL 8-1/2" HOLE W/ IMPREG BIT & .89 MUD MOTOR F/ 12034' TO 12040', WOB 12, ROT 50, RPM 520, PS 200, PP 2900
5/31/2008	06:00 - 17:00	11.00	DRL	1	DRILL F/ 12040' TO 12128', WOB 26, ROT 70, RPM 540, PS 200, PP 2950 (#3 FLOOR MOTOR OVER HEATING)
	17:00 - 17:30	0.50	DRL	1	RIG SERVICE
	17:30 - 03:30	10.00	DRL	1	DRILL F/ 12128' TO 12210', WOB 36K, ROT 75, RPM 545, PS 200, PP 3050 (TOP DRIVE NOT MAINTAINING CONSTANT RPM 75-60)
	03:30 - 04:00	0.50	RIG	2	REPLACE NAIL POPOFF #1 PUMP (NAILS RATED @ 3200 OR 4100 PSI, LINERS RATED @ 3420 PSI)
	04:00 - 05:00	1.00	DRL	1	DRILL F/ 12210 TO 12230', WOB 36K, ROT 60, RPM 530, PS 200, PP 3050
	05:00 - 06:00	1.00	DRL	1	CONNECTIONS & SPR
	-		OTH		NOTE: DUSTIN DOUCET W/ UTAH OIL & GAS GAVE VERBAL EXTENSION FOR BOP TEST
6/1/2008	06:00 - 12:00	6.00	DRL	1	DRILL F/ 12230' TO 12271' WOB 30K, ROT 65, RPM 535, PS 200, PP 2850

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/1/2008	12:00 - 13:00	1.00	OTH		CHANGE OUT ROTATING HEAD RUBBER
	13:00 - 20:00	7.00	DRL	1	DRILL F/ 12271' TO 12319', WOB 26-32K, ROT 70, RPM540, PS 200, PP 2900
	20:00 - 21:30	1.50	RIG	2	CHANGE OUT LINER & 3 SWABS # 2 PUMP
	21:30 - 05:30	8.00	DRL	1	DRILL F/ 12319' TO 12385', WOB 32-36K, ROT 65, RPM 535, PS 200, PP 3000
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SPR
6/2/2008	06:00 - 08:00	2.00	DRL	1	DRILL F/ 12385' TO 12403', WOB 35K, ROT 530, RPM 530, PS 200, PP 3000
	08:00 - 09:00	1.00	RIG	1	RIG & TOP DRIVE SERVICE
	09:00 - 11:30	2.50	RIG	2	CHANGE OUT SWIVEL WASH PIPE & PACKING 2 TIMES
	11:30 - 17:30	6.00	DRL	1	DRILL F/ 12403' TO 12459' WOB 32K, ROT 60, RPM 530, PS 200, PP 3000
	17:30 - 18:00	0.50	OTH		AIR OUT # 2 PUMP
	18:00 - 05:30	11.50	DRL	1	DRILL F/ 12459' TO 12565', WOB 12565', ROT 60, RPM 530, PS 200.P 3000
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SPR
6/3/2008	06:00 - 09:00	3.00	DRL	1	DRILL 8-1/2" HOLE W/ IMPREG BIT & .89 MUD MOTOR F/ 12565' TO 12594', WOB 36K, ROT 60, RPM 530, PS 200, PP 3050
	09:00 - 09:30	0.50	OTH		CHANGE OUT ROTATING HEAD RUBBER
	09:30 - 10:30	1.00	RIG	1	RIG & TOP DRIVE SERVICE
	10:30 - 05:30	19.00	DRL	1	DRILL F/ 12594' TO 12822', WOB 24-36K, ROT 60, RPM 530, PS 200, PP 3050
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SPR
6/4/2008	06:00 - 12:00	6.00	DRL	1	DRILL F/12822' TO 12874' WOB 24, ROT 60, PS 200, PP 3020, MM .90
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
	12:30 - 05:30	17.00	DRL	1	DRILL F/12874' TO 13020' WOB 21-36, ROT 60, PS 200, PP 3050, MM .9
	05:30 - 06:00	0.50	OTH		CONNECTIONS
6/5/2008	06:00 - 11:00	5.00	DRL	1	DRILL F/13020' TO 13060' WOB 26, ROT 60, PS 200, PP 2950, MM .9
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE
	11:30 - 01:00	13.50	DRL	1	DRILL F/13060' TO 13160' WOB 30, ROT 60, PS 200, PP 3050, MM .9
	01:00 - 02:00	1.00	CIRC	1	CIRCULATE, MIX DRY PIPE PILL DROP SURVEY
	02:00 - 02:30	0.50	CIRC	1	PUMP DRY PIPE PILL
	02:30 - 06:00	3.50	TRP	12	TRIP OUT BIT #11, HIGH DIFFERENTIAL WITH ANY WEIGHT ON BIT
6/6/2008	06:00 - 13:00	7.00	TRP	10	TRIP OUT BIT #11 NOSE OF BIT WAS CORRED OUT TRIP WAS WET
	13:00 - 13:30	0.50	OTH		FUNCTION TEST BOP
	13:30 - 23:00	9.50	TRP	10	CHANGE MUD MOTOR AND BIT WENT IN WITH .15 AND DSX811
	23:00 - 00:00	1.00	DRL	1	DRILL F/13160' TO 13170' WOB 20, ROT 25, PS 160, PP 2150, MM .15
	00:00 - 01:00	1.00	OTH		CHANGE ROTATING RUBBER
	01:00 - 02:00	1.00	DRL	1	DRILL F/13170' TO 13176' WOB 20, ROT 25, PS 160, PP 2150
	02:00 - 02:30	0.50	RIG	2	CHANGE VALVE IN #1 PUMP
	02:30 - 06:00	3.50	DRL	1	DRILL F/13176' TO 13215' WOB 20, ROT 25, PS 160, PP 2150, MM .15
6/7/2008	06:00 - 11:30	5.50	DRL	1	DRILL F/13215' TO 13252' WOB 20, ROT 20, PS 150, PP 1975, MM .15
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE
	12:00 - 06:00	18.00	DRL	1	DRILL F/13252' TO 13404' WOB 28, ROT 30, PS 150, PP 1930, MM .15
6/8/2008	06:00 - 11:00	5.00	DRL	1	DRILL F/13404' TO 13438' WOB 28, ROT 30, PS 150, PP 2090, MM .15
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE
	11:30 - 13:00	1.50	DRL	1	DRILL F/13438' TO 13450' WOB 28, ROT 30, PS 150, PP 2090, MM .15 TD
	13:00 - 14:30	1.50	CIRC	1	CIRCULATE FOR WIPER TRIP
	14:30 - 15:30	1.00	TRP	14	PUMP DRY PIPE PILL AND WIPER TRIP 10 STDS
	15:30 - 17:30	2.00	CIRC	1	CIRCULATE AND CONDITION FOR LOGS
	17:30 - 18:00	0.50	SUR	1	DROP SURVEY AND PUMP DRY PIPE PILL
	18:00 - 00:00	6.00	TRP	2	TRIP OUT FOR LOGS STRAP OUT
	00:00 - 06:00	6.00	LOG	1	RIG UP LOGGERS 9SCHLUMBERGER) FIRST RUN PLATFORM EXPRESS LOGGERS DEPTH 13462'
6/9/2008	06:00 - 07:30	1.50	LOG	1	LOG, FIRST RUN PLATFORM EXPRESS LOGGERS DEPTH 13462'
	07:30 - 16:00	8.50	LOG	1	SECOND RUN FMI,
	16:00 - 16:30	0.50	LOG	1	RIG DOWN SCHLUMBERGER
	16:30 - 18:30	2.00	TRP	2	TRIP IN DRILL COLLARS AND MONEL, LAY DOWN

Printed: 11/4/2008 7:34:59 AM

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/9/2008	18:30 - 21:00	2.50	TRP	2	TRIP INTO SHOE
	21:00 - 22:30	1.50	RIG	6	SLIP AND CUT DRILLING LINE
	22:30 - 01:30	3.00	TRP	2	FINISH TRIP IN
	01:30 - 02:00	0.50	REAM	1	WASH AND REAM LAST STD TO BOTTOM 15' OF FILL
	02:00 - 04:30	2.50	CIRC	1	CIRCULATE, LAY DOWN TRUCK ON LOCATION AT 0300, RIG UP LAY DOWN TRUCK
	04:30 - 06:00	1.50	TRP	3	LAY DOWN DRILL STRING
6/10/2008	06:00 - 13:00	7.00	TRP	3	LAY DOWN DRILL STRING
	13:00 - 13:30	0.50	RIG	2	REPAIR BREAK OUT LINE ON TONGS
	13:30 - 17:30	4.00	TRP	3	LAY DOWN DRILL STRING
	17:30 - 18:00	0.50	OTH		PULL WEAR BUSHING
	18:00 - 19:00	1.00	OTH		WAIT ON CASING CREW (LOST)
	19:00 - 21:00	2.00	CSG	1	RIG UP CASING CREW HELD SAFETY MEETING
	21:00 - 06:00	9.00	CSG	2	RUN 4 1/2" CASING, 284 JTS OF RANGE 3, 11 MARKER JTS, ONE PUP JT AND FLOAT COLLAR AND FLOAT SHOE, 4 1/2", #13.5, LT&C, HCP-110 CASING LANDED AT 13433' KB
6/11/2008	06:00 - 07:00	1.00	CSG	2	RUN 4 1/2" CASING SET AT 13433' KB LANDED ON HANGER
	07:00 - 09:30	2.50	CIRC	1	CIRCULATE AT REDUCED PUMP RATE
	09:30 - 13:00	3.50	CMT	1	RIG UP HALLIBURTON AND PACK OFF WELLHEAD
	13:00 - 16:00	3.00	CMT	2	HOLD SAFETY MEETING WITH HALLIBURTON AND CEMENT, PUMP 10 BBLS OF WATER 30 BBLS OF SUPER FLUSH AND 10 BBLS OF WATER, 175 BBLS OF 9.5 PPG FOAMED 1.48 YIELD FIRST LEAD CEMENT, 195 BBLS OF 11 PPG FOAMED 1.48 YIELD SECOND LEAD CEMENT, 56 BBLS OF 14.3 PPG 1.48 YIELD UNFOAMED TAIL CEMENT DISPLACED WITH 200.43 BBLS OF CLAYFIX WATER, BUMPED PLUG FLOATS HELD GOOD RETURNS DURRING JOB WITH NO N2 TO SURFACE
	16:00 - 17:00	1.00	CMT	1	RIG DOWN HALLIBURTON
	17:00 - 00:00	7.00	OTH		PULL LANDING JT, CLEAN MUD TANKS, NIPPLE DOWN BOP RIG RELEASE AT 2400, 6/10/2008

43-047-38963

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Operations Summary Report – COMPLETION

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/7/2008	06:00 - 16:00	10.00	BOP	1	TIGHT HOLE Initial completion report. On 7/2/08 MIRU Basin Well Service #3 to start completion of well. ND WH & NU 4-1/16" x 10M# frac valve and single set of ram BOP's. Spot remainder of equipment. SI the well until AM of 7/7/08. 24 Hour Forecast: On 7/7/08 - Rig will start to pick up bit and scraper with tbg.
7/8/2008	06:00 - 16:00	10.00	TRP	5	TIGHT HOLE On 7/7/08 tally & rabbit in the hole with a 3-3/4" mill & 4-1/2" csg scraper and new 2-3/8" EUE 8rd 4.7# P-110 tbg (267 jts) to 8657'. SIFN. 24 Hour Forecast: Will continue to pick up new tbg & RIH to tag & circ hole w/ 2% KCL water. Csg Size: 4-1/2" 13.5#
7/9/2008	06:00 - 16:00	10.00	TRP	5	TIGHT HOLE On 7/8/08 Continue to tally & rabbit in the hole with new 2-3/8" P-110 tbg & mill & scraper. Tag PBTD @ 13370'. Circulate hole with 2% KCL water. Pull mill to 6940'. SIFN. 24 Hour Forecast: On 7/9/08 - Will finish POOH & NU remainder of frac head assembly & prepare to log and perforate initial zone on 7/10/08. Csg Size: 4-1/2" 13.5#
7/10/2008	06:00 - 16:00	10.00	BOP	1	TIGHT HOLE On 7/9/08 SITP & SICP = 0# with no perfs in the wellbore. Finish POOH w/ tbg mill & csg scraper. ND single set of ram BOP's. NU top part of frac head assembly. RU flow back manifold. SIFN. 24 Hour Forecast: Will bond log, pressure test and perforate initial zone. Csg Size: 4-1/2" 13.5#
7/11/2008	06:00 - 16:00	10.00	PERF	2	TIGHT HOLE On 7/10/08 MIRU Cased Hole Solutions & B&C Quick Test. SICP = 0#. Run a CBL/VDL/GR log from tag 13380' - 2000'. with very TOC est @ 2680'. Correlated the log to the Schlumberger Platform Express log 6/8/08 run #1. Pressure test csg, frac head asssembly and flow back manifold to 9000# and held OK. RDMO Quick Test. Perforate the following Mancos intervals per the CBL log dated 7/10/08 using 3-1/8" csg gun @ 3 JPF & 120* phasing: 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-500'; 11521-22'; 11591-92'; 11614-15'; 11622-23' & 11627-28' (36 holes). RDMO Cased Hole Solutions. Break down the perfs with 5 bbls of 2% KCL water with a break @ 2300# and pump 5 bbls @ 1-14 BPM @ 2400# with ISIP = 2200#. SI the well. 24 Hour Forecast: SI until frac job that is scheduled on 7/14/08. Csg Size: 4-1/2" 13.5# LLTR: 165 bbls

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/11/2008	06:00 - 16:00	10.00	PERF	2	Perfs: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28'
7/14/2008	06:00 - 16:00	10.00	WOT	4	TIGHT HOLE On AM of 7/14/08 well is SI pending frac work. 24 Hour Forecast: SI until frac job. Csg Size: 4-1/2" 13.5# LLTR: 165 bbls Perfs: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28'
7/15/2008	06:00 - 16:00	10.00	WOT	4	TIGHT HOLE On AM of 7/15/08 well is SI pending frac work. 24 Hour Forecast: SI until frac job. Csg Size: 4-1/2" 13.5# LLTR: 165 bbls Perfs: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28'
7/16/2008	06:00 - 16:00	10.00	WOT	4	TIGHT HOLE On AM of 7/16/08 well is SI pending frac work to begin on 7/17/08. 24 Hour Forecast: SI until frac job. Csg Size: 4-1/2", 13.5# LLTR: 165 bbls Perfs: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28'
7/17/2008	06:00 - 16:00	10.00	STIM	2	TIGHT HOLE On 7/16/08 SICP = 0#. Open up csg to the pit with very slight blow and no fluid recovery and died. SI well. MIRU Halliburton frac crew and Cased Hole Solutions. Left well SIFN. 24 Hour Forecast: On 7/17/08 scheduled to start frac work.

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/17/2008	06:00 - 16:00	10.00	STIM	2	Csg Size: 4-1/2", 13.5# LLTR: 165 bbls Perfs: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28'
7/18/2008	06:00 - 16:00	10.00	STIM	2	TIGHT HOLE On 7/17/08 attempt to start frac work and lost 2 Halliburton frac trucks during pressure test and initial breakdown. SI the well. 24 Hour Forecast: On 7/17/08 PM will replace/repair trucks and prepare for frac work starting on AM of 7/18/08. Csg Size: 4-1/2", 13.5# LLTR: 195 bbls Perfs: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28'
7/21/2008	06:00 - 16:00	10.00	STIM	3	TIGHT HOLE - Completion Zone #1: Mancos (11314-11628'): Frac this interval with a FR-56 2% KCL slick water system as follows: Breakdown w/ 800 gals of 15% HCL followed by a 11400 gal pad and stage 0.50-1.25 ppg 40/70 sand in 58,000 gals of fluid with 4-15000-8400 gal spacers & flush w/ 7950 gals of slick water. Total of 46M# of CRC 40/70 sand and a total load of 2900 bbls. Max rate = 46.4 BPM; avg rate = 34.3 BPM; max psi = 8330#; avg psi = 7659#; ISIP = 5277# (.90). With Cased Hole Solutions set a 4-1/2" comp frac plug at 11250'. Perforate per the CBL log dated 7/10/08 at 3 JPF using a 3-1/8" csg gun and 120* phasing as follows: 11215-16'; 11172-73'; 11106-07'; 11008-11009'; 10962' - 63'; 10930-10931'; 10841-42'; 10763-64'; 10738-39' & 10698-99' (30 holes). Zone #2: Mancos (10698-11216'): Frac this interval with the above system and sand as follows: Breakdown with 800 gals of 15% HCL followed by a 8400 gal pad and stage 0.50-1.5 ppg sand in 48000 gals of fluid with 4-9000 gal spacers and flush with 8500 gals of slick water. Total of 42,800# of sand and a total load of 2420 bbls. Max rate = 46.9 BPM; Avg rate = 36.6 BPM; max psi = 7981#; avg psi = 7208#, ISIP = 4715# (.87). Wireline set a frac plug at 10840'. Perforate per the above log and gun the following Mancos zones: 10566-67'; 10491-92'; 10406-07'; 10362-63;' 10327-28'; 10277-78'; 10237-10238'; 10175-10176'; 10118-10119' & 10026-27' (30 holes). Zone #3: Mancos (10026-10567'): Frac this interval with the above system and sand as follows: Breakdown with 800 gals of 15% HCL followed by a 7700 gal pad and stage 0.50 to 1.50 ppg sand in 45000 gals of fluid and flush with 7140 gals of slick water. Total of 45,200# of sand and a total load of 2200 bbls. Max rate = 50 BPM; avg rate = 39.6 BPM; max psi = 8143#; avg psi = 7204#; ISIP = 4550# (.88). Wireline set a frac plug @ 9950'. Perforate per the above gun and log the following Mancos zones: 9888-89'; 9838-39'; 9748-49'; 9696-99';9633-34'; 9590-91'; 9514-15'; 9451-52'; 9372-73' & 9312-13' (30 hours).

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/21/2008	06:00 - 16:00	10.00	STIM	3	Zone #4: Mancos (9312-9889'): Frac this interval with the above system and sand as follows: Breakdown with 800 gals of 15% HCL followed by a 12200 gal pad and stage 0.50 to 1.50 ppg sand in 57,000 gals of fluid and flush with 6800 gals of slick water. Total of 49600# of sand and a total load of 2400 bbls. Max rate = 50.4 BPM; avg rate = 30.9 BPM; max psi = 8431#; avg psi = 7312#; ISIP = 4072# (.88). Wireline set a comp frac plug @ 9230'. Perforate per the above gun and log the following intervals: 9194-95'; 9134-35'; 9104-05'; 9069-70'; 9035-36'; 9000-01'; 8965-66'; 8920-21'; 8885-86'; 8880-81'; 8851-52' & 8816-17' (36 holes). SIFN. On 7/19/08 - Zone #5 - Mancos (8816-9194'): Frac this Mancos interval using FR-56 2% KCL slick water system and CRC 40/70 sand down 4-1/2" csg as follows: Breakdown with 800 gals of 15% HCL acid and pump 0.50-1.50 ppg sand in 37000 gals of fluid and flush with 6365 gals of slick water. Total of 37700# of sand and a total load of 1545 bbls. Max rate = 51 BPM; avg rate = 43.1 BPM; max psi = 8393#; avg psi = 6311#; ISIP = 3947# (.88). Wireline set a comp frac plug @ 8680'. Perforate per the previous days gun and log the following Mancos-Mancos 'B' intervals: 8617-18'; 8537-38'; 8487-68'; 8387-88'; 8287-8288'; 8252-8253'; 8226-8227' & 8184-85' (24 holes). Zone #6: Mancos-Mancos 'B' (8184-8618'): Frac this interval using the above system as follows: Breakdown with 800 gals of 15% HCL followed by a 7500 gal pad and stage 0.50-1.50 ppg sand in 46000 gals of fluid and flush with 5791 gals of slick water. Total of 40400# of sand and a total load of 1590 bbls. Max rate = 50.4 BPM; avg rate = 47.5 BPM; max psi = 7375#; avg psi = 6042#, ISIP = 2948# (.79). Wireline set a comp frac plug @ 8024'. Perforate per the above gun and log Upper Mancos and Blackhawk zones as follows: Blackhawk: 7970-71'; 7896-97'; 7876-77'; 7815-16'; 7804-05'; 7795-96'; Upper Mancos: 7772-73'; 7755-56'; & 7732-33' (27 holes). RD Casing Hole Solutions. Zone #7: UpperMancos/Blackhawk 7732-7972'): Frac this interval using the above system as follows: Breakdown perfs with 800 gals of 15% HCL followed by a 13500 gal pad and stage 0.5 to 1.5 ppg sand in 78000 gals of fluid and flush with 5760 gals of slick water. Total of 79M# of sand and a total of 2640 bbls. max rate = 51.6 BPM; avg rate = 47.4 BPM; max psi = 5845#; avg psi = 4863#; ISIP = 2800# (.79). RDMO Halliburton. All sand used in all frac intervals was 40/70 CRC Premium. All sand stages were designed with a spacer between stages. Open the well to flow up the csg at 6:00 PM on 7/18/08 after a 15 minute SI period. Open the well with a SICP = 2500#. Flow the well on various chokes thru the weekend with all flow ending at 12:30 AM on 7/21/08 after a total recovery of 1850 bbls with 0 FCP on a full choke. Had very little show of sand recovery throughout the flow back. SI the well at 6:00 AM. 24 Hour Forecast On 7/21/08 will prepare the well for clean out with tbg. Csg Size: 4-1/2", 13.5# LLTR: 14010 bbls Perfs: Zone #1: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28' Zone #2: Mancos 11215-16'; 11172-73'; 11106-07'; 11008-09'; 10962-63'; 10930-31'; 10841-42'; 10763-64'; 10738-39'; 10698-99' Zone #3: Mancos

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/21/2008	06:00 - 16:00	10.00	STIM	3	10566-67'; 10791-92'; 10406-07'; 10362-63'; 10327-28'; 10277-78'; 10237-38'; 10175-76'; 10118-19'; 10026-27' Zone #4: Mancos: 9888-89'; 9838-39'; 9748-49'; 9698-99'; 9633-34'; 9590-91'; 9514-15'; 9451-52'; 9372-73'; 9312-13; Zone #5: Mancos: 9194-95'; 9134-35'; 9104-05'; 9069-70'; 9035-36'; 9000-01'; 8965-66'; 8920-21'; 8885-86'; 8880-81'; 8851-52'; 8816-17' Zone #6: Mancos/Mancos 'B' 8617-18';8537-38'; 8467-68'; 8387-88'; 8287-88'; 8252-53'; 8226-8227'; 8184-85' Zone #7: Upper Mancos/Blackhawk: 7970-71'; 7896-97'; 7876-77'; 7815-16'; 7804-05'; 7795-96'; 7772-73'; 7755-56'; 7732-33'
7/22/2008	06:00 - 16:00	10.00	LOG	4	TIGHT HOLE - Completion On 7/21/08 - 3 hour shut in of 600#. Set wireline comp kill plug @ 7500'. Bled off csg w/ no fluid recovery. ND frac valve assembly. NU BOP's. RIH w/ 3-3/4" hurricane mill, P.O. sub, 1 jt 1.81" F-Nipple & 232 jts tbg. NU drilling head. RU Power Swivel. RU Weatherford foam unit. EOT @ 7485'. SWIFN. 24 Hour Forecast Will drill up frac plugs. Csg Size: 4-1/2", 13.5# LLTR: 14010 bbls Perfs: Zone #1: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28' Zone #2: Mancos 11215-16'; 11172-73'; 11106-07'; 11008-09'; 10962-63'; 10930-31'; 10841-42'; 10763-64'; 10738-39'; 10698-99' Zone #3: Mancos 10566-67'; 10791-92'; 10406-07'; 10362-63'; 10327-28'; 10277-78'; 10237-38'; 10175-76'; 10118-19'; 10026-27' Zone #4: Mancos: 9888-89'; 9838-39'; 9748-49'; 9698-99'; 9633-34'; 9590-91'; 9514-15'; 9451-52'; 9372-73'; 9312-13; Zone #5: Mancos: 9194-95'; 9134-35'; 9104-05'; 9069-70'; 9035-36'; 9000-01'; 8965-66'; 8920-21'; 8885-86'; 8880-81'; 8851-52'; 8816-17' Zone #6: Mancos/Mancos 'B' 8617-18';8537-38'; 8467-68'; 8387-88'; 8287-88'; 8252-53'; 8226-8227'; 8184-85' Zone #7: Upper Mancos/Blackhawk: 7970-71'; 7896-97'; 7876-77'; 7815-16'; 7804-05'; 7795-96'; 7772-73'; 7755-56'; 7732-33'
7/23/2008	06:00 - 16:00	10.00	TRP	2	TIGHT HOLE - Completion On 7/22/08 SICP = 500#, SITP = 0#. Finish PS. NU flowback manifold. Bled csg off with no fluid recovery. Get circulation with foam. Tag kill plug @ 7500'. Drill up in 30 minutes. Pressure kick of 800#. RIH w/ tbg. Tag sand @ 7980'. Cleaned out sand to frac plug & set @ 8024'. Drilled up in 45 minutes. Pressure @ 900# on 32/64". RIH

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/23/2008	06:00 - 16:00	10.00	TRP	2	w/ tbg. Tag frac plug #2 @ 8680'. Drilled up in 60 minutes. Pressure @ 700# on 32/64" choke. Circulate hole clean. Pull tbg tail to 7485'. SWIFN. 24 Hour Forecast: Will continue to drill up plugs and land tbg. Csg Size: 4-1/2", 13.5# LLTR: 14010 bbls Perfs: Zone #1: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28' Zone #2: Mancos 11215-16'; 11172-73'; 11106-07'; 11008-09'; 10962-63'; 10930-31'; 10841-42'; 10763-64'; 10738-39'; 10698-99' Zone #3: Mancos 10566-67'; 10791-92'; 10406-07'; 10362-63'; 10327-28'; 10277-78'; 10237-38'; 10175-76'; 10118-19'; 10026-27' Zone #4: Mancos: 9888-89'; 9838-39'; 9748-49'; 9698-99'; 9633-34'; 9590-91'; 9514-15'; 9451-52'; 9372-73'; 9312-13; Zone #5: Mancos: 9194-95'; 9134-35'; 9104-05'; 9069-70'; 9035-36'; 9000-01'; 8965-66'; 8920-21'; 8885-86'; 8880-81'; 8851-52'; 8816-17' Zone #6: Mancos/Mancos 'B' 8617-18';8537-38'; 8467-68'; 8387-88'; 8287-88'; 8252-53'; 8226-8227'; 8184-85' Zone #7: Upper Mancos/Blackhawk: 7970-71'; 7896-97'; 7876-77'; 7815-16'; 7804-05'; 7795-96'; 7772-73'; 7755-56'; 7732-33'
7/24/2008	06:00 - 16:00	10.00	TRP	2	TIGHT HOLE - Completion On 7/23/08 SICP = 2500#, SITP = 1100#. Open csg on 40/64" choke. Bled pressure down to 800#. Pump 30 bbls 2% KCL down tbg. RIH w/ tbg. Tag sand @ 9210'. RU PS and foam unit. Get circulation and cleaned out 30' of sand. Tag frac plug @ 9230'. Drilled up in 60 min. Pressure kick of 900# on 40/64" choke. RIH with 4 jt's. Tag sand @ 9350' cleaned out 600' of sand. Tag frac plug @ 9950'. Drilled up in 30 min. Pressure kick of 1300#. Circulate clean. Pull tbg tail to 7582'. SWIFN. 24 Hour Forecast: On 7/24/08 Will continue to drill up plugs & clean out sand. Csg Size: 4-1/2", 13.5# LLTR: 14010 bbls Perfs: Zone #1: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28' Zone #2: Mancos 11215-16'; 11172-73'; 11106-07'; 11008-09'; 10962-63'; 10930-31'; 10841-42'; 10763-64'; 10738-39'; 10698-99' Zone #3: Mancos

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/24/2008	06:00 - 16:00	10.00	TRP	2	10566-67'; 10791-92'; 10406-07'; 10362-63'; 10327-28'; 10277-78'; 10237-38'; 10175-76'; 10118-19'; 10026-27' Zone #4: Mancos: 9888-89'; 9838-39'; 9748-49'; 9698-99'; 9633-34'; 9590-91'; 9514-15'; 9451-52'; 9372-73'; 9312-13; Zone #5: Mancos: 9194-95'; 9134-35'; 9104-05'; 9069-70'; 9035-36'; 9000-01'; 8965-66'; 8920-21'; 8885-86'; 8880-81'; 8851-52'; 8816-17' Zone #6: Mancos/Mancos 'B' 8617-18';8537-38'; 8467-68'; 8387-88'; 8287-88'; 8252-53'; 8226-8227'; 8184-85' Zone #7: Upper Mancos/Blackhawk: 7970-71'; 7896-97'; 7876-77'; 7815-16'; 7804-05'; 7795-96'; 7772-73'; 7755-56'; 7732-33'
7/25/2008	06:00 - 16:00	10.00	STIM	3	TIGHT HOLE - Completion On 7/24/08 SICP=3000#. SITP=1800#. Open csg on 40/64" choke. Pumped 30 bbls 2% KCL down tbg. RIH with tbg. Tag sand @ 10,567'. RU foam unit and get circ. Clean out 63' of sand. Tag frac plug @ 10,630'. Drilled up in 35 min. RIH with tbg. Tag sand @ 11,162'. Clean out 88' of sand. Tag frac plug @ 11,250'. Drilled up in 15 min. Circulate clean. RIH with tbg. Tag PBTD @ 13,344. Lay down 120 jt's tbg. Landed tbg with 1.81" F-nipple @ 9,470 and EOT @ 9,504'. ND BOP's, NU wellhead. Pumped bit of with 1,500# pressure. SWIFN. 24 Hour Forecast: On 7/25/08 will swab or flow test well. Csg Size: 4-1/2", 13.5# Load from yesterday: 15860 Minus daily recovery: 540 LLTR: 13,470 Perfs: Zone #1: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28' Zone #2: Mancos 11215-16'; 11172-73'; 11106-07'; 11008-09'; 10962-63'; 10930-31'; 10841-42'; 10763-64'; 10738-39'; 10698-99' Zone #3: Mancos 10566-67'; 10791-92'; 10406-07'; 10362-63'; 10327-28'; 10277-78'; 10237-38'; 10175-76'; 10118-19'; 10026-27' Zone #4: Mancos: 9888-89'; 9838-39'; 9748-49'; 9698-99'; 9633-34'; 9590-91'; 9514-15'; 9451-52'; 9372-73'; 9312-13; Zone #5: Mancos: 9194-95'; 9134-35'; 9104-05'; 9069-70'; 9035-36'; 9000-01'; 8965-66'; 8920-21'; 8885-86'; 8880-81'; 8851-52'; 8816-17' Zone #6: Mancos/Mancos 'B' 8617-18';8537-38'; 8467-68'; 8387-88'; 8287-88'; 8252-53'; 8226-8227'; 8184-85' Zone #7: Upper Mancos/Blackhawk: 7970-71'; 7896-97'; 7876-77'; 7815-16'; 7804-05'; 7795-96'; 7772-73'; 7755-56'; 7732-33'

Operations Summary Report

Well Name: SCS 5C-32-14-19
Location: 32- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 3/21/2008
Rig Release: 6/10/2008
Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/28/2008	06:00 - 16:00	10.00	LOC	4	TIGHT HOLE - Completion On 7/25/08 - SICP = 3200#, SITP = 1700#. RU flow back manifold. Open tbg on 28/64" choke flowing to pit. Rack out equipment and rig down. Flow the well thru the weekend on various chokes. SWI at 7:00 AM on 7/26/08 with final FTP of 1200# on 20/64" choke. SICP = 1900#. Flowing 5 BPH of gas cut fluid. Rec a total of 711 bbls from flow back. Showed very little sand while flowing. Turn well over to production. 24 Hour Forecast: Will move Basin WS #3 to SCS 10C 16 15 19. RU & PU tbg from ground and stand back in derrick. Csg Size: 4-1/2", 13.5# Load from yesterday: 13470 Minus daily recovery: 711 LLTR: 12,759 bbls Perfs: Zone #1: Mancos (7/10/08) 11314-15'; 11349-50'; 11375-76'; 11397-98'; 11427-28'; 11463-64'; 11499-11500'; 11521-22'; 11591-92'; 11614-115'; 11622-23'; 11627-28' Zone #2: Mancos 11215-16'; 11172-73'; 11106-07'; 11008-09'; 10962-63'; 10930-31'; 10841-42'; 10763-64'; 10738-39'; 10698-99' Zone #3: Mancos 10566-67'; 10791-92'; 10406-07'; 10362-63'; 10327-28'; 10277-78'; 10237-38'; 10175-76'; 10118-19'; 10026-27' Zone #4: Mancos: 9888-89'; 9838-39'; 9748-49'; 9698-99'; 9633-34'; 9590-91'; 9514-15'; 9451-52'; 9372-73'; 9312-13; Zone #5: Mancos: 9194-95'; 9134-35'; 9104-05'; 9069-70'; 9035-36'; 9000-01'; 8965-66'; 8920-21'; 8885-86'; 8880-81'; 8851-52'; 8816-17' Zone #6: Mancos/Mancos 'B' 8617-18';8537-38'; 8467-68'; 8387-88'; 8287-88'; 8252-53'; 8226-8227'; 8184-85' Zone #7: Upper Mancos/Blackhawk: 7970-71'; 7896-97'; 7876-77'; 7815-16'; 7804-05'; 7795-96'; 7772-73'; 7755-56'; 7732-33'

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: ML-47973

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other: _____

6. If Indian, Allottee or Tribe Name: UTE INDIAN TRIBE

7. Unit or CA Agreement Name and No.: N/A

2. Name of Operator: Questar Exploration & Production Co.

8. Lease Name and Well No.: SCS 5C 32 14 19

3. Address: 11002 East 17500 South - Vernal, UT 84078

3a. Phone No. (include area code): 435.781.4342 Dahn Caldwell

9. API Well No.: 43-047-38963

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: 1810' FNL, 460' FWL, SWNW, SEC 32-T14S-R19E

10. Field and Pool or Exploratory: UNDESIGNATED

11. Sec., T., R., M., on Block and Survey or Area: SEC 32-T14S-R19E

At top prod. interval reported below: 1810' FNL, 460' FWL, SWNW, SEC 32-T14S-R19E

12. County or Parish: UINTAH

13. State: UT

At total depth: 1810' FNL, 460' FWL, SWNW, SEC 32-T14S-R19E

14. Date Spudded: 03/17/2008

15. Date T.D. Reached: 06/07/2008

16. Date Completed: ☐ D & A ☑ Ready to Prod. 07/30/2008

17. Elevations (DF, RKB, RT, GL)*: KB 7454'

18. Total Depth: MD 13,450' TVD

19. Plug Back T.D.: MD 13,431' TVD

20. Depth Bridge Plug Set: MD N/A TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/~~VDL~~/GR, PEX, BCS, LD, HRLA, CN

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	48#		509'		500 SXS		SURF - CIRC	
12-1/4"	9-5/8"	47#		5,078'		1665 SXS		SURF - CIRC	
8-1/2"	4-1/2"	13.5#		13,433'		1880 SXS		SURF - LOG	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	9504'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SEE ATTACHMENT			SEE ATTACHMENT			
B) MMNDK			7732-11628			
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
SEE ATTACHMENT	SEE ATTACHMENT

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/30/200	7/31/08	24	→	22	2071	212			FLOWING

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
20/64	945#	1720#	→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
CASTLEGATE	7430			CEDAR MOUNTAIN	11809
BLACKHAWK	7661			MORRISON	12040
MANCOS	7902			CURTIS	12566
MANCOS 'B'	8179			TD	13450
DAKOTA SILT	11623				
DAKOTA	11727				

32. Additional remarks (include plugging procedure):

FUTURE OIL SHALE PROSPECTS
Green River
Mahogany is not stable for this well

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: ATTACHMENT - PERF & FRAC INFO

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* JIM SIMONTON Title COMPLETION SUPERVISOR

Signature Jim Simonton (dfc) Date 11/05/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

SCS 5C 32 14 19 – Attachment

PERFORATION DETAIL:

Open Perfs	Stimulation					Perf Status
7732′ – 7733′						Open – Upper Mancos
7755′ – 7756′						Open – Upper Mancos
7772′ – 7773′						Open – Upper Mancos
7795′ – 7796′						Open - Blackhawk
7804′ – 7805′	Frac w/	79,000	Lbs in	110,880	Gals	Open - Blackhawk
7815′ – 7816′						Open - Blackhawk
7876′ – 7877′						Open - Blackhawk
7896′ – 7897′						Open - Blackhawk
7970′ – 7971′						Open - Blackhawk
8184′ – 8185′						Open - Mancos
8226′ – 8227′						Open - Mancos
8252′ – 8253′						Open - Mancos
8287′ – 8288′						Open - Mancos
8387′ – 8388′	Frac w/	40,400	Lbs in	66,780	Gals	Open - Mancos
8467′ – 8468′						Open – Mancos 'B'
8537′ – 8538′						Open – Mancos 'B'
8617′ – 8618′						Open – Mancos 'B'
8816′ – 8817′						Open - Mancos
8851′ – 8852′						Open - Mancos
8880′ – 8881′						Open - Mancos
8885′ – 8886′						Open - Mancos
8920′ – 8921′						Open - Mancos
8965′ – 8966′						Open - Mancos
9000′ – 9001′	Frac w/	37,700	Lbs in	64,890	Gals	Open - Mancos
9035′ – 9036′						Open - Mancos
9069′ – 9070′						Open - Mancos
9104′ – 9105′						Open - Mancos
9134′ – 9135′						Open - Mancos
9194′ - 9195′						Open - Mancos
9312′ – 9313′						Open - Mancos
9372′ – 9373′						Open - Mancos
9451′ – 9452′						Open - Mancos
9514′ – 9515′						Open - Mancos
9590′ – 9591′						Open - Mancos
9633′ – 9634′	Frac w/	49,600	Lbs in	100,800	Gals	Open - Mancos
9698′ – 9699′						Open - Mancos
9748′ – 9749′						Open - Mancos
9838′ – 9839′						Open - Mancos
9888′ – 9889′						Open - Mancos

10026′ – 10027′						Open - Mancos
10118′ – 10119′						Open - Mancos
10175′ – 10176′						Open - Mancos
10237′ – 10238′						Open - Mancos
10277′ – 10278′						Open - Mancos
10327′ – 10328′	Frac w/	45,200	Lbs in	92,400	Gals	Open - Mancos
10362′ – 10363′						Open - Mancos
10406′ – 10407′						Open - Mancos
10491′ – 10492′						Open - Mancos
10566′ – 10567′						Open - Mancos
10698′ – 10699′						Open - Mancos
10738′ – 10739′						Open - Mancos
10763′ – 10764′						Open - Mancos
10841′ – 10842′						Open - Mancos
10930′ – 10931′						Open – Mancos
10962′ – 10963′	Frac w/	42,800	Lbs in	101,640	Gals	Open – Mancos
11008′ – 11009′						Open – Mancos
11106′ – 11107′						Open – Mancos
11172′ – 11173′						Open – Mancos
11215′ – 11216′						Open – Mancos
11314′ – 11315′						Open – Mancos
11349′ – 11350′						Open – Mancos
11375′ – 11376′						Open – Mancos
11397′ – 11398′						Open – Mancos
11427′ – 11428′						Open – Mancos
11463′ – 11464′						Open – Mancos
11499′ – 11500′	Frac w/	46,000	Lbs in	121,800	Gals	Open – Mancos
11521′ – 11522′						Open – Mancos
11591′ – 11592′						Open – Mancos
11614′ – 11615′						Open – Dakota Silt
11622′ – 11623′						Open – Dakota Silt
11627′ – 11628′						Open – Dakota Silt

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

Change of Operator (Well Sold) **X - Operator Name Change**

The operator of the well(s) listed below has changed, effective: **6/14/2010**

FROM: (Old Operator):	**TO:** (New Operator):
N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048

CA No. **Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: Requested
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2010
3. Bond information entered in RBDMS on: 6/30/2010
4. Fee/State wells attached to bond in RBDMS on: 6/30/2010
5. Injection Projects to new operator in RBDMS on: 6/30/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 965010693
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached	
7. UNIT or CA AGREEMENT NAME: See attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: See attached
2 NAME OF OPERATOR: Questar Exploration and Production Company N5085	9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265	PHONE NUMBER: (303) 672-6900
	10. FIELD AND POOL, OR WILDCAT: See attached

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached

COUNTY: Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) N3700
Utah State Bond Number: ~~965003033~~ 965010695
Fee Land Bond Number: ~~965003033~~ 965010695
BIA Bond Number: ~~799446~~ 965010693

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 2 8 2010
DIV. OF OIL, GAS & MINING

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
Wr 16G-32-10-17	32	100S	170E	4301350370		State	OW	NEW	C
STATE 1	36	070S	240E	4304715128	5878	State	GW	P	
KAYE STATE 1-16	16	100S	230E	4304730609	5395	State	GW	P	
TOLL STATION ST 8-36-8-21	36	080S	210E	4304732724	12361	State	GW	S	
GB 8A-36-8-21	36	080S	210E	4304733037	12377	State	GW	P	
GB 6-36-8-21	36	080S	210E	4304733038	12378	State	GW	P	
GB 2-36-8-21	36	080S	210E	4304733252	12527	State	GW	P	
GH 1W-32-8-21	32	080S	210E	4304733570	12797	State	GW	P	
GH 3W-32-8-21	32	080S	210E	4304733571	12796	State	GW	P	
GH 5W-32-8-21	32	080S	210E	4304733572	12828	State	GW	P	
GH 7W-32-8-21	32	080S	210E	4304733573	12872	State	GW	P	
GH 2W-32-8-21	32	080S	210E	4304733744	13029	State	GW	P	
GH 4W-32-8-21	32	080S	210E	4304733745	13035	State	GW	P	
GH 8W-32-8-21	32	080S	210E	4304733746	13030	State	GW	P	
OU GB 3W-16-8-22	16	080S	220E	4304733751	13577	State	GW	P	
OU GB 5W-16-8-22	16	080S	220E	4304733752	13570	State	GW	P	
GH 6W-32-8-21	32	080S	210E	4304733753	13036	State	GW	P	
OU GB 11W-16-8-22	16	080S	220E	4304733754	13582	State	GW	P	
GH 5G-32-8-21	32	080S	210E	4304733866	13037	State	OW	P	
GB 1W-36-8-21	36	080S	210E	4304733944	13439	State	GW	P	
WV 2W-2-8-21	02	080S	210E	4304734034	13678	State	GW	P	
GB 6W-25-8-21	25	080S	210E	4304734121	13440	Fee	GW	P	
GB 7W-25-8-21	25	080S	210E	4304734122	13436	Fee	GW	P	
WV 9W-16-7-21	16	070S	210E	4304734324		State	GW	LA	
OU GB 11W-30-8-22	30	080S	220E	4304734392	13433	Fee	GW	P	
OU GB 4W-16-8-22	16	080S	220E	4304734598	13579	State	GW	P	
OU GB 10W-16-8-22	16	080S	220E	4304734616		State	GW	LA	
OU GB 12W-16-8-22	16	080S	220E	4304734617	13697	State	GW	P	
OU GB 13W-16-8-22	16	080S	220E	4304734618	13611	State	GW	P	
GB 14MU-16-8-22	16	080S	220E	4304734619	14196	State	GW	P	
OU GB 15W-16-8-22	16	080S	220E	4304734622	13595	State	GW	P	
OU GB 16W-16-8-22	16	080S	220E	4304734655	13815	State	GW	P	
OU GB 2W-16-8-22	16	080S	220E	4304734657	13721	State	GW	P	
OU GB 6W-16-8-22	16	080S	220E	4304734658	13592	State	GW	P	
OU GB 8W-16-8-22	16	080S	220E	4304734660	13769	State	GW	TA	
OU GB 9W-16-8-22	16	080S	220E	4304734692		State	GW	LA	
OU GB 15G-16-8-22	16	080S	220E	4304734829	13777	State	OW	S	
GB 7MU-36-8-21	36	080S	210E	4304734893	14591	State	GW	P	
GB 3W-36-8-21	36	080S	210E	4304734894	13791	State	GW	P	
NC 8M-32-8-22	32	080S	220E	4304734897		State	GW	LA	
NC 3M-32-8-22	32	080S	220E	4304734899		State	GW	LA	
GB 5W-36-8-21	36	080S	210E	4304734925	13808	State	GW	P	
GB 4MU-36-8-21	36	080S	210E	4304734926	14589	State	GW	P	
NC 11M-32-8-22	32	080S	220E	4304735040		State	GW	LA	
GB 5SG-36-8-21	36	080S	210E	4304735155	14015	State	GW	P	
SC 13ML-16-10-23	16	100S	230E	4304735281	14036	State	GW	P	
SC 3ML-16-10-23	16	100S	230E	4304735282	14014	State	GW	P	
SC 11ML-16-10-23	16	100S	230E	4304735311	14035	State	GW	P	
WH 13G-2-7-24	02	070S	240E	4304735484	14176	State	D	PA	
FR 9P-36-14-19	31	140S	200E	4304735880	14310	State	GW	P	
CB 13G-36-6-20	36	060S	200E	4304735969		State	OW	LA	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WH 2G-2-7-24	02	070S	240E	4304736259		State	GW	LA	
WH 4G-2-7-24	02	070S	240E	4304736261		State	GW	LA	
FR 1P-36-14-19	31	140S	200E	4304736300	14859	State	GW	P	
WK 3ML-2-9-24	02	090S	240E	4304736723		State	GW	LA	
WK 7ML-2-9-24	02	090S	240E	4304736724		State	GW	LA	
SC 5ML-16-10-23	16	100S	230E	4304736877	15125	State	GW	P	
SC 12ML-16-10-23	16	100S	230E	4304736878	15053	State	GW	P	
SC 14ML-16-10-23	16	100S	230E	4304736908	15070	State	GW	P	
SC 4ML-16-10-23	16	100S	230E	4304736912	15208	State	GW	P	
FR 3P-36-14-19	36	140S	190E	4304737376	15736	State	GW	P	
BZ 12ML-16-8-24	16	080S	240E	4304737670		State	GW	LA	
BZ 10D-16-8-24	16	080S	240E	4304737671	15979	State	GW	S	
BZ 14ML-16-8-24	16	080S	240E	4304737672		State	GW	LA	
BBE 9W-16-7-21	16	070S	210E	4304737745		State	GW	LA	
GB 10ML-16-8-22	16	080S	220E	4304737943		State	GW	LA	
GB 9ML-16-8-22	16	080S	220E	4304737944	15851	State	GW	P	
HR 2MU-2-12-23	02	120S	230E	4304738052		State	GW	LA	
HR 3MU-2-12-23	02	120S	230E	4304738053		State	GW	LA	
HR 6MU-2-12-23	02	120S	230E	4304738054		State	GW	LA	
HR 10MU-2-12-23	02	120S	230E	4304738055	15737	State	GW	S	
HR 12MU-2-12-23	02	120S	230E	4304738056		State	GW	LA	
HR 14MU-2-12-23	02	120S	230E	4304738057		State	GW	LA	
HR 16MU-2-12-23	02	120S	230E	4304738058		State	GW	LA	
FR 11P-36-14-19	36	140S	190E	4304738349	15899	State	GW	P	
GB 4SG-36-8-21	36	080S	210E	4304738764	16142	State	GW	P	
GB 7SG-36-8-21	36	080S	210E	4304738765	16144	State	GW	P	
WF 3D-32-15-19	32	150S	190E	4304738877		State	GW	APD	C
SCS 5C-32-14-19	32	140S	190E	4304738963	16759	State	GW	P	
FR 7P-36-14-19	31	140S	200E	4304738992	15955	State	GW	P	
SCS 10C-16-15-19	16	150S	190E	4304739683	16633	State	GW	P	
FR 6P-16-14-19	16	140S	190E	4304740350		State	GW	APD	C

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-47973

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: SCS 5C-32-14-19

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047389630000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1810 FNL 0460 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 14.0S Range: 19.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/1/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	✓ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP Energy Company is requesting an extension for the referenced well. A plugging procedure will be submitted by March 1, 2015.

Approved by the Utah Division of Oil, Gas and Mining

Date: April 14, 2015

By: Dark K Quist

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jan Nelson	435 781-4331	Permit Agent
SIGNATURE N/A		**DATE** 2/10/2015

RECEIVED: Feb. 10, 2015

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047389630000

P&A procedure submitted February 26, 2015 to P&A the well this summer.

RECEIVED: Apr. 14, 2015

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-47973

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: SCS 5C-32-14-19

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047389630000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1810 FNL 0460 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 14.0S Range: 19.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/31/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP ENERGY REQUEST APPROVAL TO PLUG AND ABANDON THE ABOVE REFERENCED WELL USING THE ATTACHED PROCEDURE.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 21, 2015

By: Dark K Quist

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jan Nelson	435 781-4331	Permit Agent
SIGNATURE N/A		**DATE** 2/26/2015

RECEIVED: Feb. 26, 2015

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047389630000

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.

2. Amend Plug #1: A minimum of 100' (8 sx) shall be spotted on top of CIBP @ 11,700' to isolate Dakota formation.

3. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.

4. All annuli shall be cemented from a minimum depth of 100' to the surface.

5. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.

6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.

7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.

8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

RECEIVED: Jul. 21, 2015

7/21/2015

Wellbore Diagram

r263

API Well No: 43-047-38963-00-00 **Permit No:** **Well Name/No:** SCS 5C-32-14-19

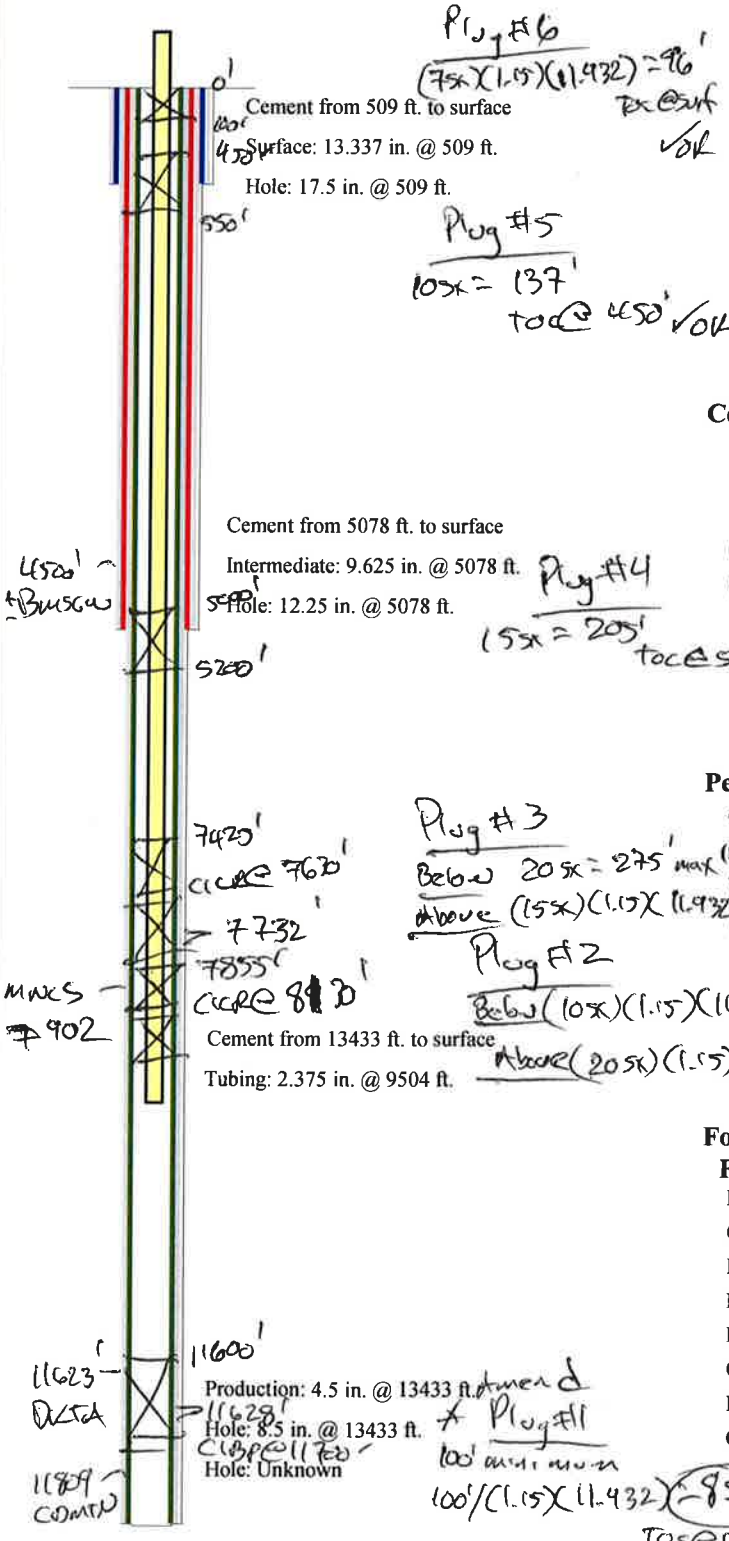
Company Name: QEP ENERGY COMPANY

Location: Sec: 32 T: 14S R: 19E Spot: SWNW

Coordinates: X: 601238 Y: 4379382

Field Name: WILDCAT

County Name: UINTAH



String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	509	17.5		
SURF	509	13.337	48	509
HOL2	5078	12.25		
I1	5078	9.625	47	5078
HOL3	13433	8.5		
PROD	13433	4.5	13.5	13433
T1	9504	2.375		

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
I1	5078	0	UK	1665
PROD	13433	0	UK	1880
SURF	509	0	UK	500

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
7732	11628			

Formation Information

Formation	Depth
BMSW	4500
CSLGT	7430
BLKHK	7661
MNCS	7902
DKTA	11623
CDMTN	11809
MRSN	12040
CRTS	12566

TD: 13450 **TVD:** 13450 **PBTD:** 13431

UT08893001

FIELD: **Undesignated**

Well: **SCS 5C 32 14 19**

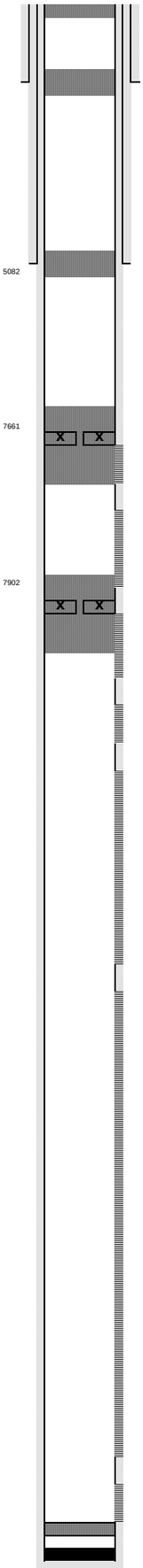
Location - surface: 1810' FNL, 460' FWL, SWNW, Sec 32, T14S, R19E
Location - bottom hole: Same
API#:43-047- 38963 Uintah County, Utah

GL: 7,432 ' KBE: 7,454 '
TD: 13,450 ' PBTD: 13,431 '

Start Date: 1/17/11 Completion date: 1/22/11
Current Well Status: Flowing Gas Well
Reason for Pull / Workover: Stuck Tubing

Deviation:

Wellbore Schematic



Surface casing
Size: 13-3/8"
Weight: 48#
Grade: J-55
Set @ 509'
Cmtd w/ 500 sxs
Hole size: 17-1/2"

Intermediate Casing
Size: 9-5/8"
Weight: 47#
Grade: HCP-110
Set @ 5078'
Cmtd w/ 1665 sxs
Hole size: 12-1/4"

Production Casing
Size: 4-1/2"
Weight: 13.5#
Grade: P-110
Set @ 13,433'
Cmtd w/ 1880 sx
Hole size: 8-1/2"

Upper Mancos
7732-33 w/ 3 spf
7755-56 w/ 3 spf
7772-73 w/ 3 spf

Blackhawk
7795-96 w/ 3 spf
7804-05 w/ 3 spf
7815-16 w/ 3 spf
7876-77 w/ 3 spf
7896-97 w/ 3 spf
7970-71 w/ 3 spf

Mancos
8184-85 w/ 3 spf
8226-27 w/ 3 spf
8252-53 w/ 3 spf
8287-88 w/ 3 spf
8387-88 w/ 3 spf

Mancos B
8467-68 w/ 3 spf
8537-38 w/ 3 spf
8617-18 w/ 3 spf

Mancos
8816-17 w/ 3 spf
8851-52 w/ 3 spf
8880-81 w/ 3 spf
8885-86 w/ 3 spf
8920-21 w/ 3 spf
8965-66 w/ 3 spf
9000-01 w/ 3 spf
9035-36 w/ 3 spf
9069-70 w/ 3 spf
9104-05 w/ 3 spf
9134-35 w/ 3 spf
9194-95 w/ 3 spf
9312-13 w/ 3 spf
9372-73 w/ 3 spf
9451-52 w/ 3 spf
F-Nipple @ 9471'
EOT @ 9504'
9514-15 w/ 3 spf
9590-91 w/ 3 spf
9633-34 w/ 3 spf
9698-99 w/ 3 spf
9748-49 w/ 3 spf
9838-39 w/ 3 spf
9888-89 w/ 3 spf
10026-27 w/ 3 spf
10118-19 w/ 3 spf
10175-76 w/ 3 spf
10237-38 w/ 3 spf
10277-78 w/ 3 spf
10327-28 w/ 3 spf
10362-63 w/ 3 spf
10406-07 w/ 3 spf
10491-92 w/ 3 spf
10566-67 w/ 3 spf
10698-99 w/ 3 spf
10738-39 w/ 3 spf
10763-64 w/ 3 spf
10841-42 w/ 3 spf
10930-31 w/ 3 spf
10962-63 w/ 3 spf
11008-09 w/ 3 spf
11106-07 w/ 3 spf
11172-73 w/ 3 spf
11215-16 w/ 3 spf
11314-15 w/ 3 spf
11349-50 w/ 3 spf
11375-76 w/ 3 spf
11397-98 w/ 3 spf
11427-28 w/ 3 spf
11463-64 w/ 3 spf
11499-500 w/ 3 spf
11521-22 w/ 3 spf
11591-92 w/ 3 spf

Dakota Silt
11614-15 w/ 3 spf
11622-23 w/ 3 spf
11627-28 w/ 3 spf

PBTD @ 13431 '
TD @ 13450 '

Tubing Landing Detail:

Description	Size	Footage	Depth
KB		22.00	22.00
HANGER		0.86	22.86
293 JTS 2-3/8"	2-3/8"	9,447.55	9,470.41
"F" NIPPLE	2-3/8"	0.92	9,471.33
1 JT 2-3/8"	2-3/8"	31.84	9,503.17
PUMP OFF WIRELINE GUIDE		0.92	9,504.09
EOT @			**9,504.09**

Tubing Information:
Condition:
New: _____ Used: _____ Rerun: _____
Grade: P-110
Weight (#/ft): 4.7#

Wellhead Detail: Example: 7-1/16" 3000#

Other:
Hanger: Yes X No

SUMMARY

Dakota Silt / Mancos
Stage #1 - 11,314' - 11,628' frac w/46,000# of 40/70 CRC Sand

Mancos
Stage #2 - 10,698' - 11,216' frac w/42,800# of 40/70 CRC Sand

Mancos
Stage #3 - 10,026' - 10,567' frac w/45,200# of 40/70 CRC Sand

Mancos
Stage #4 - 9,312' - 9,889' frac w/49,600# of 40/70 CRC Sand

Mancos
Stage #5 - 8,816' - 9195' frac w/37,700# of 40/70 CRC Sand

Mancos / Mancos B
Stage #6 - 8,184' - 8,618' frac w/40,400# of 40/70 CRC Sand

Upper Mancos / Blackhawk
Stage #7 - 7,732' -7,972' frac w/79,000# of 40/70 CRC Sand

1/22/11 - Stuck Tbg. Two holes in tbg @ 8654' & 8284'. Tbg remains stuck. Tbg Detail remains the same.

P&A Procedure
All cement will be either Class "G" neat or Class "B".
MIRU
NDWH NUBOP
POOH w/ tubing and BHA
Dakota - RIH with 4 1/2" CIBP and set @ 11700'. Cap with 35' feet cement.
Mancos - RIH with 4 1/2" CICR and set @ 8130'
Establish injection rate and squeeze 10 sx below and spot 20 sx above
Blackhawk - RIH with 4 1/2" CICR and set @ 7630'
Establish injection rate and squeeze 20 sx below and spot 15 sx above
Mesa Verde Top - Balance a plug from 5200'-5000' with 15 sx cement.
Surface casing shoe - Balance a plug from 550'-450' with 10 sx cement.
Surface plug - Balance a plug from 100'-surface with 7 sx cement.
Cut off WH 3' below ground and weld on dry hole marker
GPS well head location and note on report

Prepared By: Ryan Angus Date: 2/26/2015

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

February 9, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5275 9581

43 047 38963
SCS SC-32-14-19
32 14S 19E

Ms. Julie Jacobson
QEP Energy Company
1050 17th Street, Suite 800
Denver, CO 80265

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Jacobson:

As of January 2016, QEP Energy Company has three (3) State Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

All Submittals should be sent via ePermit

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet
Petroleum Engineer

DKD/DD/js

cc: Compliance File
Well File
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
1	SCS 5C-32-14-19	43-047-38963	ML-47973	2 year(s) 2 month(s)
2	WV 6G-16-8-21	43-047-33564	ML-2237	1 year(s) 7 month(s)
3	OU GB 16W-16-8-22	43-047-34655	ML-22049	1 year(s) 3 month(s)